

MANUFACTURERS' RECORD

A Weekly

Southern Industrial and Hardware

Newspaper.

VOL. XI. No. 21.
WEEKLY.

BALTIMORE, JULY 2, 1887.

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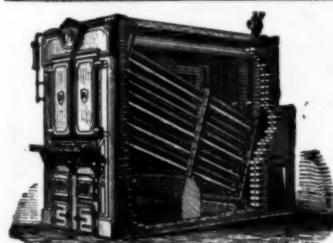
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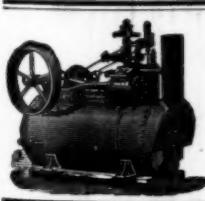
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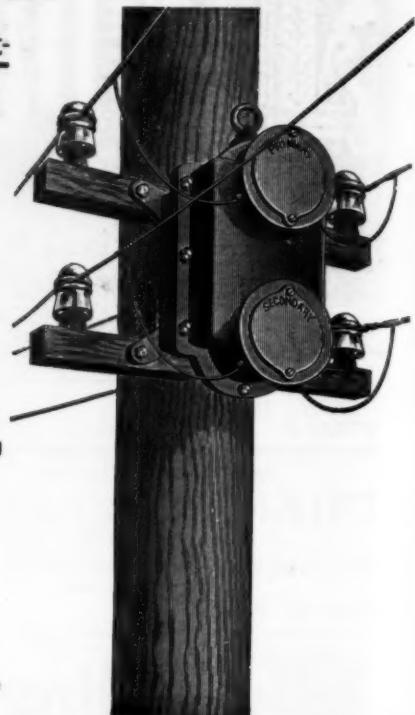
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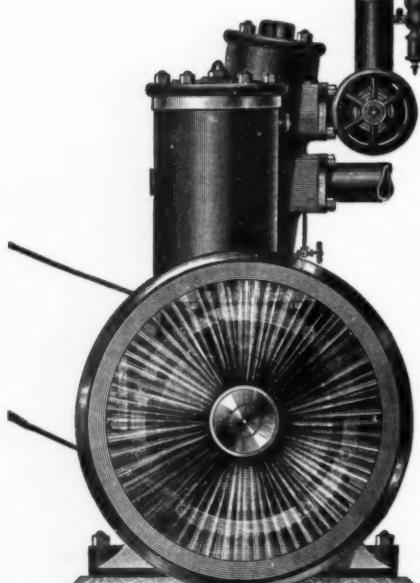
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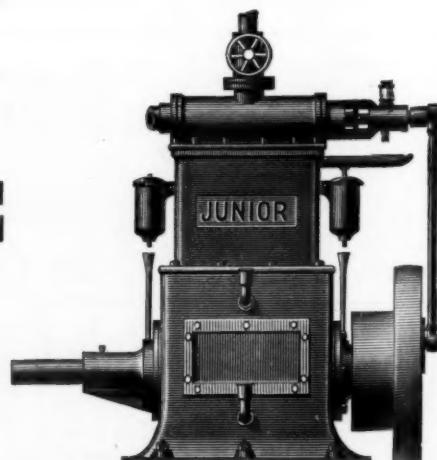
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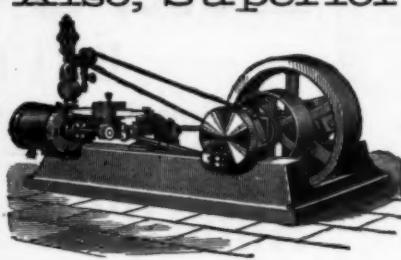
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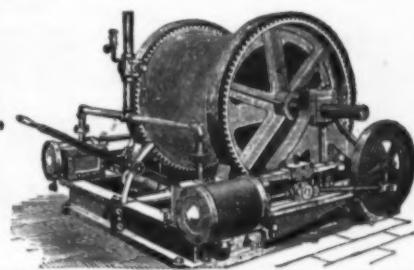
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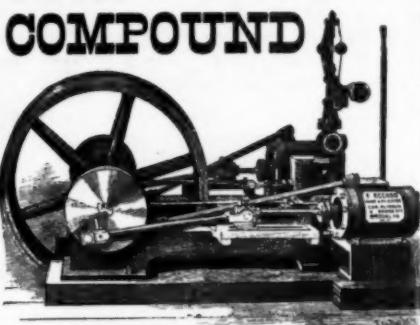
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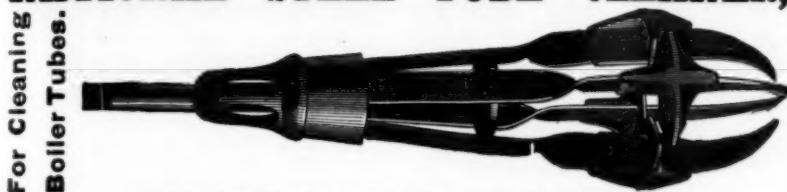
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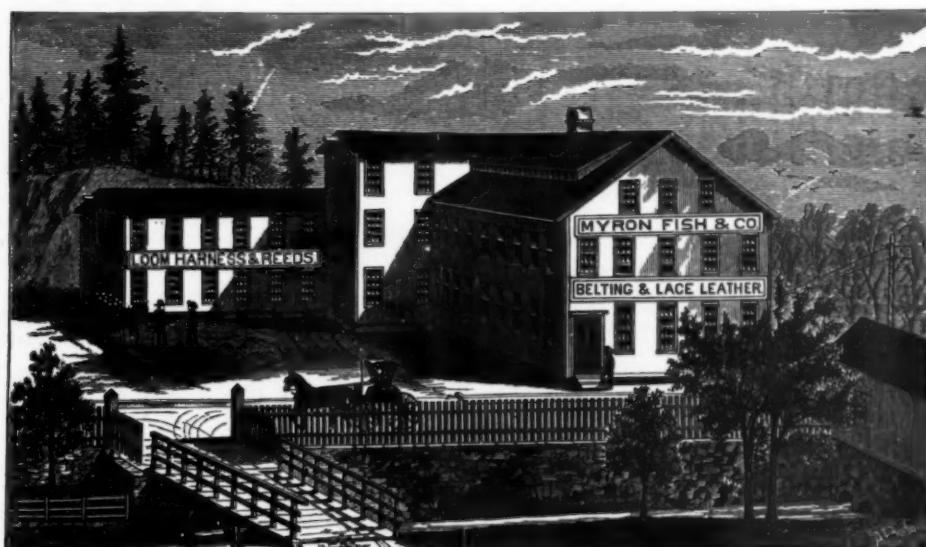
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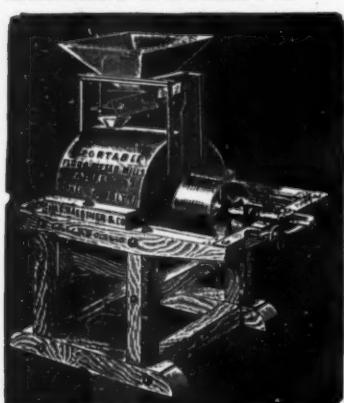
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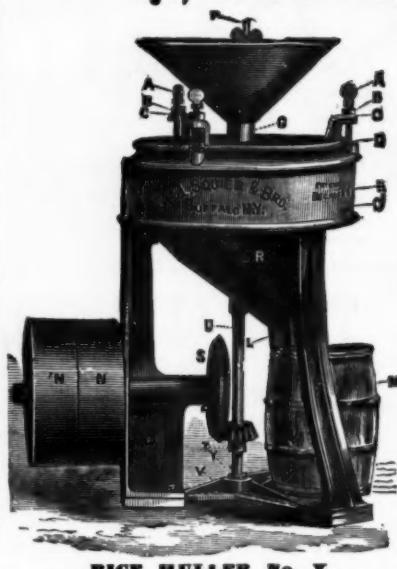
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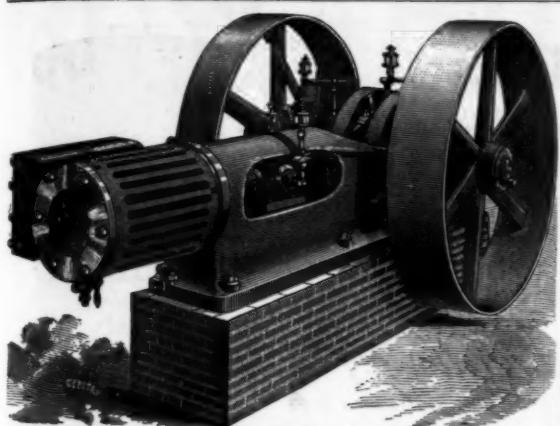
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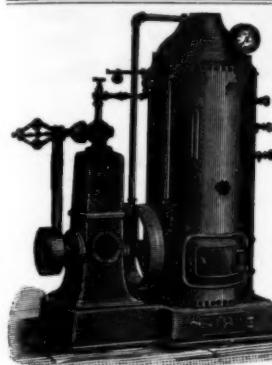
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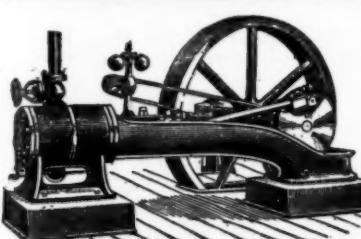


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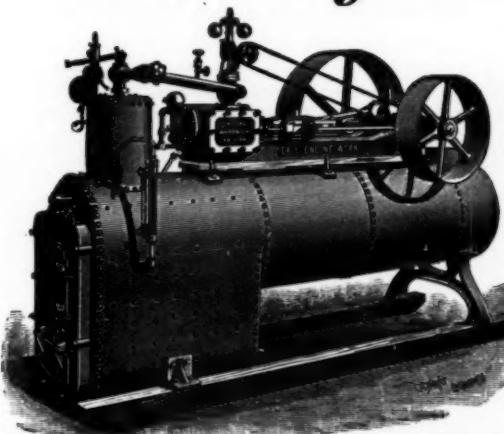
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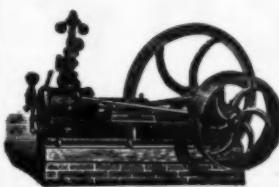
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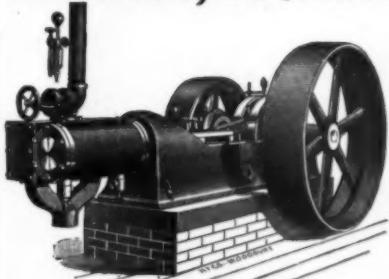
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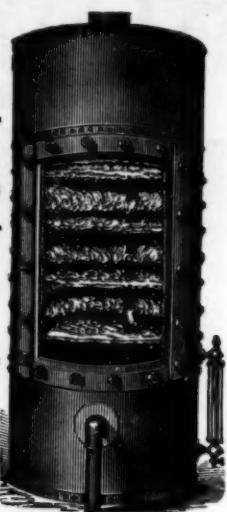
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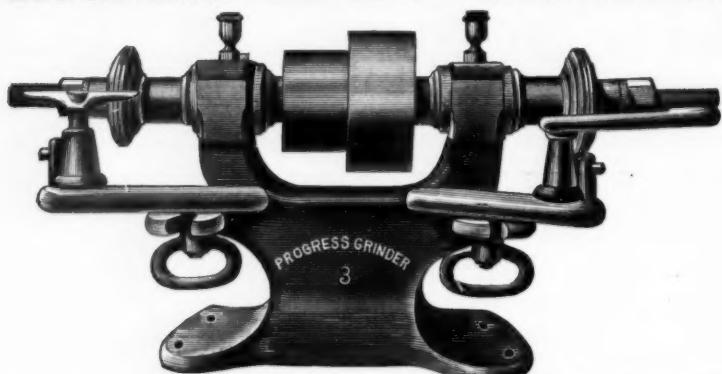
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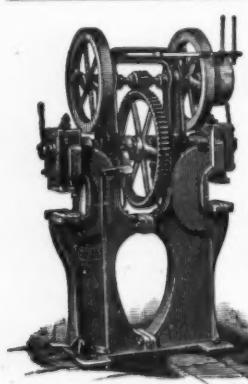
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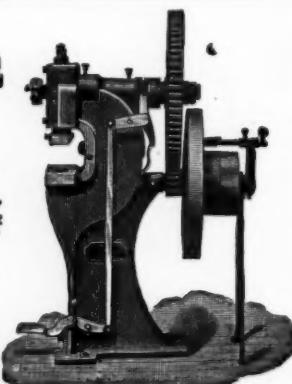
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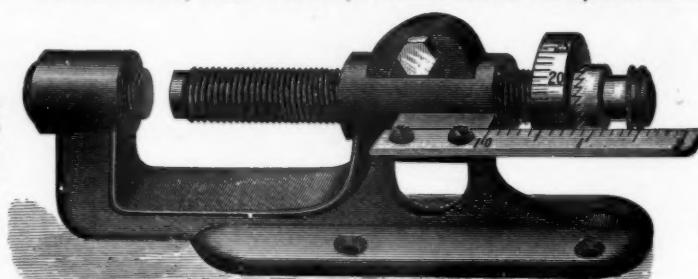
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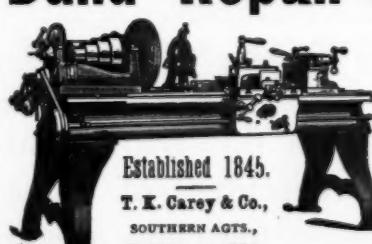
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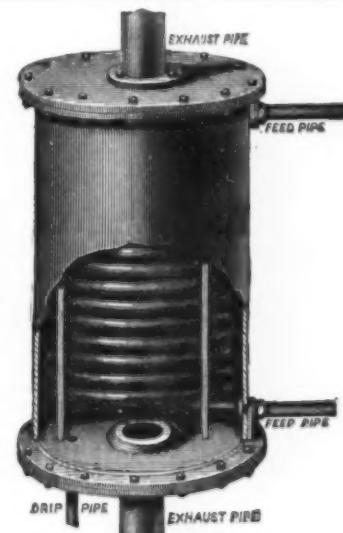
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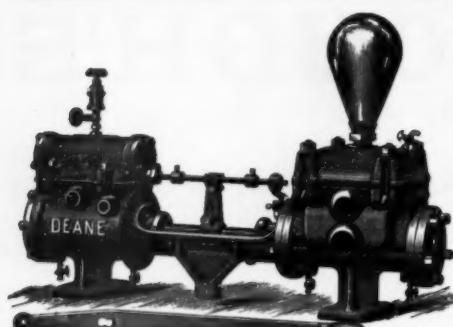
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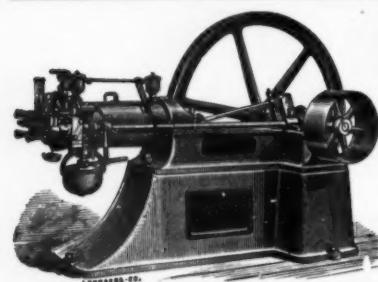
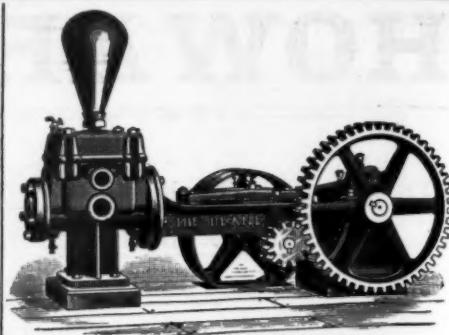
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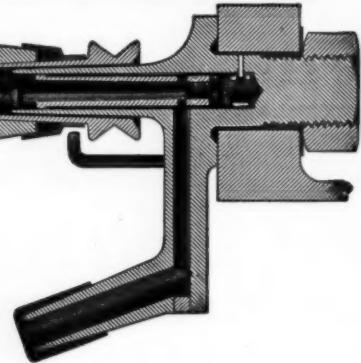
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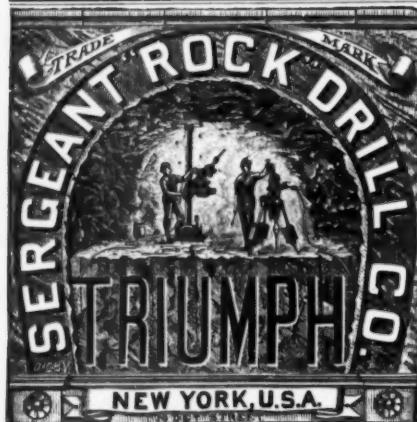
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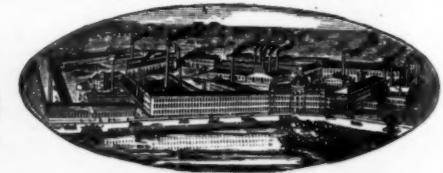
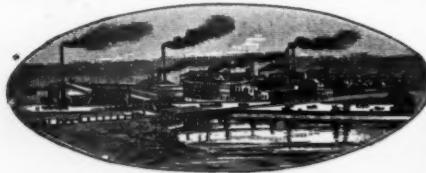
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R. H. EDMONDS, Treas.
W. M. H. EDMONDS, Secy. & Manager.

R. H. EDMONDS, EDITOR.

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BALTIMORE, JULY 2, 1887.

IN this issue will be found our semi-annual review of the industrial progress of the South. The statistics which we give have been compiled with the utmost care, and neither money nor work have been spared in our efforts to make them absolutely reliable. They show the magnitude of Southern development, and at the same time demonstrate its soundness and stability.

JUNE is the end of the school year in nearly every part of the country. Colleges, academies, high schools and all lesser institutions have finished their work and their long vacations begin. Our exchanges teem with reports of their closing exercises. In looking over many of the Southern journals we have been greatly gratified, but not surprised to observe that the spirit of the age is largely manifest in the themes selected by the essayists and orators of the graduating classes. Classical subjects and historical characters no longer hold the first place in the minds of the intelligent youth who are just stepping across the threshold and are about to enter upon the hard work of manhood. When ardent young men, looking hopefully and bravely out upon the broad world in which they are to begin their careers, bid good bye to their fellows, after speaking to them about "the new civilization or the civilization of the New South" and kindred themes, there can be no question as to their hopes and purposes. They are imbued with the spirit of the activities that surround them and are eager to participate in them. They appreciate, in some degree at least, the momentous changes of this era and see that the prizes of life are open to universal competition, that they are not limited to the learned professions, but that all useful occupations and callings are honorable, and that success in any of them is ennobling. Young men now a days who finish their school studies and go to the farm, the machine shop, the foundry and the cotton mill to learn all the details of the business, will a few years hence, be more independent and advance more rapidly toward the achievement of their ambitions, than those who study law or medicine, or who obtain

clerkships in mercantile or government offices. There are young Southern men of good education cleaning castings in some of the largest machine shops in this country, not because they could get no other work, but because they have learned the wisdom of knowing practically every detail of their chosen business, from the bottom to the top. The men who will twenty years hence be foremost in all Southern industries are graduating these bright June days from their academies and colleges. Entering upon life with high hopes and earnest purposes, inspired by the wonderful development that is the marvel of the age, they will be strong and persevering in acquiring that thorough knowledge of their callings that will ensure their ultimate success. The MANUFACTURERS' RECORD bids all such a cordial God speed.

The Reality of Southern Development.

There are some features of Southern industrial progress that are very significant. Among these may be mentioned: 1st, the wide diversity of new enterprises; 2d, the territorial scope of development, embracing the whole South; 3d, the large use of co-operative capital; 4th, the multiplicity of small individual investments. No one can have kept up with the unbroken current of industrial report in the MANUFACTURERS' RECORD, and be blind to the fact that the South is passing through an era of practical and profitable expansion, and one of the most gratifying elements of her condition is that Southern capital very largely enters into the situation. The South has made, and is making and investing, money of her own, while the sluice of Northern capital thus finds animated and honorable rivalry upon this great ground of pecuniary investment. Southern resources have never been doubted, though not fully understood. Now that they are beginning to be understood, they will draw, as they are drawing, capital and labor like a powerful magnet. The Southern people are alive to their own advantages; the Northern people are coming rapidly to the same knowledge. The concentration of national cupidity and national enterprise in this imperial section must bring a royal harvest. When we can point to such discriminating, full-handed and unequivocal recognition of Southern affluence of resource, as is being given by that distinguished Northern statesman, the Hon. William D. Kelley, of Pennsylvania, in the MANUFACTURERS' RECORD, there can be no further room either to question or to distrust. It is manifestly incorrect to speak of the condition as a "boom." It is a matter of fact, business, outcome, natural and of every appearance of steadiness. Diversified resources, developed by conservative capital in diversified industries, by judicious enterprise, give the amplest indication of permanence and success. The South is simply rising to her manifest destiny of advancement. The process is logical, and the result must be complete. Without exaggeration we can heartily say that the present Southern development is a healthy and timely reality, and the MANUFACTURERS' RECORD, in critical soberness, is willing to thus far essay the role of practical prophesy.

Who Can Foretell?

In the year 1791 Liverpool received from the various cotton-producing countries of the world 68,404 bags of cotton, but of these but 64 went from the United States. In 1806, only 15 years later, the same city received 173,074 bags, of which 100,142 went from this country. As late as 1796 considerable quantities of cotton were imported from the West Indies for domestic purposes in exchange for our produce, although there had been for several years an increasing exportation from Charleston, Savannah and other ports to London. In the Weekly Register, once published by H. Niles, we find in the issue of May 2, 1812, an interesting statistical statement of the English and American cotton industry of that period, accompanied by enthusiastic editorial comments, from which we make the following extract: "The increased import and manufacture of cotton in the British dominions within the last 30 years is truly astonishing, and so general are the fabrications of it at this time applied to almost every domestic purpose, that we wonder what was substituted for it a short time ago. The culture of cotton in the United States is as well calculated to excite our surprise." (It is stated elsewhere in the same article that it was nearly 80,000,000 pounds, or about 178,000 bales.) "Thirty years since it was planted rather as a matter of curiosity than anything else, or to supply a want strictly domestic, in affording to the good housewife a material by which to amuse her long winter evenings in knitting a few pairs of stockings! The late increase of its manufacture with us is co-extensive with the increase of its cultivation. As if by magic 76 mills for spinning it have sprung up in the neighborhood of Providence, R. I., giving motion to more than 80,000 spindles, and extensive establishments of the kind are to be found in most of the States, several of which are on a grand and liberal scale. From the progress thus made it is easy to foresee that we shall speedily be independent of the world for all the useful and important manufactures of this great staple of our country, which is daily applied to some new and interesting purpose." Three quarters of a century have passed since the foregoing words were penned. Instead of 80,000,000 pounds of lint cotton, this country produces annually 2,700,000,000 pounds, while manufacturing has more than kept pace with the production of the staple in this country, and made it not only "independent of the world," but a competitor with other cotton-manufacturing countries in the world's markets, while certain classes of our fabrics from it have gained such an excellent reputation in the East Indies that foreigners can only dispose of their inferior goods, nominally of the same grade, by imitating American labels and trade marks.

As has advanced the cotton industry in the last 75 years, so have all other leading lines of industry in this country, but the most prodigious strides in all these lines have been made during the last third of that period, or since the enactment of the protective tariff of 1861. That act, standing as a barrier between American workingmen, capitalists and inventors, and European manufacturers employing labor at pauper prices, has enabled this nation to attain the proud position of being the foremost industrial country of the world. Who can foretell the grandeur of our future, when, under the benign operation of our protective policy, every natural advantage we possess shall be utilized, and the whole of this great land shall resound with the blended harmonies arising from every industry known to civilization? It is because the MANUFACTURERS' RECORD has faith in the lessons of the past, and through them sees the way to such a future, that it persists in insisting upon adhering steadfastly to the time-tested American policy of protection. It is because British manufacturers and statesmen see it with equal clearness that they persist in their endeavors to beguile the people of the United States into an abandonment of the protective idea. It is not simply that they may gain the markets of this country, valuable as the prize would be, that they spend their labor and their gold, but they are feeling more keenly every year the effect of American competition in all foreign markets they once monopolized, and they tremble for their long-held supremacy. Holding to protection, this country, lying between Europe and Asia, looking from its Pacific ports to that Orient which has in all ages been the prize contended for by commercial nations, can supply the demands of the millions of the Indies, and become the greatest in commerce, in manufactures and in agriculture of all the nations of the earth.

IN our advertising columns will be found a notice from the mayor of West Point, Va., announcing the exemption from taxation of all new manufacturing enterprises located there. West Point is delightfully situated on a magnificent river, affording a bountiful supply of oysters and fish for canning purposes, and is surrounded by a splendid trucking country, which ships immense quantities of fruits and vegetables to Northern markets. For canning factories, where oysters can be put up in winter and fruits and vegetables in summer, this town affords a most excellent location. It is an important shipping point, and handles a very large amount of cotton for foreign export. A contract has lately been closed for the erection of a \$30,000 hotel, work on which has already been commenced, and we are informed that the money has been secured for an electric light plant, which is to be in operation in 60 days.

A HALF YEAR'S PROGRESS.

The Great Industrial Activity Throughout the South.

1,855 New Enterprises for the First Six Months of the Year, Against 812 for the Same Time Last Year.

A Wide Diversity of New Industries.

The first six months of 1887 witnessed the most remarkable industrial activity in the South that the world has probably ever seen. From one end to the other of that section the people have awakened to the vast possibilities of the future of this land on which nature has bestowed her blessings with such a lavish hand. When we examine the actual industrial progress of the South during this period, as measured by the list of enterprises established or organized in that time, we cannot but be amazed at the stupendous work that has been accomplished. Nothing, we believe, in history will afford a parallel. Moreover, this growth is based on the most substantial foundation. It shows a diversity of industries that is extremely gratifying. While the iron and kindred interests continue to attract the largest share of attention, they are not, as some have supposed, being developed at the expense of other industries. The construction of furnaces is proceeding rapidly, and the output of Southern iron in 1888 will be very large. But the South, not content to make pig iron for some other section to make up into finished goods, is building foundries, machine shops, iron pipe works, agricultural implement factories, iron bridge works, rolling mills and similar enterprises, with a rapidity that assures a home market for a very large proportion, if not for the entire increase in the production of pig iron.

The great cotton manufacturing industry that formerly received far more attention in the South than the iron interests is again coming to the front, and there is more activity in the building of new mills and the enlargement of old ones than has been seen for some years. Cotton mills are now earning excellent profits and the demand for their products is so good that it has encouraged the construction of many new mills. In South Carolina especially mill building is becoming brisk; two of the largest mill companies in the State have decided to double their capacity by the erection of additional mills, while at Greenville negotiations have about been closed for the erection of a \$500,000 mill. Texas, which possesses so many advantages for cotton manufacturing, is giving more attention to this industry, and many companies have been chartered there to build large mills. All indications point to a period of remarkable activity in cotton mill building during the balance of the year.

In no way is the wide diversity of the South's industrial growth more vividly shown than by a comparison of the number and kind of new enterprises organized or established during the first six months of 1887 as against the same time 1886. Comparing these enterprises for the two periods we have:

	First six months of 1887.	1886.
	Number.	Number.
Iron furnace companies	20	7
Machine shops and foundries	53	40
Agricultural implement factories	11	7
Flour mills	68	48
Cotton mills	44	8
Furniture factories	33	18
Gas works	24	15
Water works	46	15
Carriage and wagon factories	26	11
Electric light companies	33	17
Mining enterprises	323	70
Lumber mills	361	248
Ice factories	85	30
Canning factories	49	8
Stove foundries	2	3
Brick works	116	36
Miscellaneous iron works, rolling mills, pipe works	47	8
Cotton compresses	26	7
Cotton seed oil mills	13	3
Natural gas companies	30	16
Miscellaneous enterprises not included in foregoing	475	198
Total	1,855	812

In every line of manufacture given in the foregoing except one there has been a great increase. While furnaces have increased from 7 to 20, machine shops and foundries have increased from 40 to 53, and miscellaneous iron works, including rolling mills, pipe works, &c., from 8 to 47. During the first six months of 1887, 44 cotton mills were reported against 8 for the same time 1886, while during the same period furniture factories increased from 18 to 33; gas works 15 to 24; water works 15 to 46; carriage and wagon factories 11 to 26; electric light companies 17 to 33; mining enterprises 70 to 323; wood-working establishments 248 to 361; ice factories 30 to 55; canning factories 8 to 49; brick works 36 to 116; cotton compresses 7 to 26; cotton-seed oil mills 2 to 13, and of miscellaneous enterprises not included under any of these heads 198 to 475. Surely a better illustration of the diversity of the development of the South's industries could not be given. The vast extent of this development is seen in the number of new enterprises, which aggregate for six months 1,855, against 812 for the same time last year, and the enormous amount of capital invested.

Basing our calculations upon returns received directly by the MANUFACTURERS' RECORD, amply authenticated and verified, and in the case of incorporated companies, compared with the official reports of the State officers, we find that during the first 6 months of 1887 the amount of capital, *including capital stock of incorporated companies*, represented by the new manufacturing and mining enterprises organized or chartered at the South, and in the enlargement of old plants and rebuilding of mills that were destroyed by fire, *not including the land companies organized to develop manufactures* aggregates about \$161,117,000. It is of course true that with some of these companies the actual cash investment is not so large as the amount of their capital stock; but there are hundreds of small manufacturing enterprises, portable saw mills, small grist mills, ginneries and similar small industries, costing from a few hundred to a thousand dollars, that are not included in this list. The aggregate cost of these would be very considerable and *partly*, though not *wholly*, offset the too great capitalization of some incorporated companies. Moreover, many of the large land companies, which are not included in this list, will really invest quite heavily in manufactures by aiding others to establish new industries. In addition to these, every manufacturing enterprise is constantly adding here and there a new piece of machinery, which in the aggregate is very great; but we take no account of that, only including cases where a mill is greatly enlarged, remodeled, or other extensive improvements made.

Summing up the amount of capital and *capital stock* represented by our list of new enterprises, the enlargement of old plants and the rebuilding of mills after being burned, for the first six months of 1887, and comparing it with the corresponding time of 1886, we have:

	First six months of 1887.	1886.
Alabama	\$ 32,681,000	\$ 4,808,500
Arkansas	22,212,000	11,428,000
Florida	805,000	981,000
Georgia	9,182,000	1,399,000
Kentucky	21,710,000	17,202,700
Louisiana	3,972,000	1,002,000
Maryland	11,295,000	5,139,000
Mississippi	9,233,000	457,000
North Carolina	3,212,000	1,485,000
South Carolina	1,606,000	538,000
Tennessee	26,255,000	5,297,000
Texas	10,604,000	2,986,000
Virginia	10,389,000	5,553,000
West Virginia	4,961,000	5,123,800
Total	\$161,117,000	\$63,618,900

As compared with the first six months of 1886, the list of new enterprises for the corresponding time of this year, and the aggregate of capital and capital stock show a most astonishing increase. The capital (and capital stock) for the first six months of 1887 is more than double the amount for the same time last year. For the

last six months 1,885 new enterprises were reported, while one year ago our list for the first half of 1886 showed only 812 new enterprises, the total this year in number as well as in investment being largely more than double for the same time 1886.

In the following list we give the name, location and character of business of the new enterprises organized during the three months ended June 30, 1887, and existing establishments rebuilt (after being burned) or enlarged, having already given the list for the first three months of the year in our issue of April 2:

ALABAMA.

LOCATION.	NAME.	BUSINESS.
Allisboro	Samuel Thompson	Ore Mining.
Alpine	C. D. Morrison	Saw Mill.
Alpine	R. E. Cook & Sawyer	Saw Mill.
Alpine	J. L. Comer	Lath Mill.
Anniston	South. Fire-Brick & Clay Co.	Fire-Brick Works.
Anniston	J. M. Anderson	Mattress Factory.
Anniston	Anniston & Cin'ti R. R. Co.	Machine Shops.
Anniston	Calaba Coal Mining Co.	†Mining, Coke Ovens, &c.
Anniston, near	G. H. Bryan & Bro.	Brick Yard.
Anniston, near	G. Leak	Brick Yard.
Anniston, near	Stevens	Brick Yard.
Anniston, near	W. Riley	Fire-Brick Works.
Ashey	H. H. Carr	Furnaces, &c.
Atalla	Atalla Iron & Steel Co.	Brick Works.
Atalla	Hughes & Jackson	Brick Works.
Atalla	Nalls Bros.	Brick Works.
Athens	W. H. Sykes	Brick Works.
Athens	C. N. Crenshaw	Brick Works.
Bellefonte	Martin & Vaughan	Saw Mill.
Bessemer	Bessemer Fdy. & Mach. Wks.	†Fdy. and Machine Shops.
Bessemer	DeBardeleben Coal & Iron Co.	{ Two Furnaces.
Bessemer	Bessemer Land & Imp. Co.	Water Works.
Bessemer	Bessemer Ter. Cot. Lum. Co.	Terra Cotta Works.
Bessemer	Bessemer Print. & Pub. Co.	Printing, &c.
Bessemer	Bessemer Brick & Lum. Co.	Brick Works.
Birmingham	Birmingham St. Car. Fac. Co.	Car Factory.
Birmingham	Clifton-Birming' Brick Co.	Brick Works.
Birmingham	P. Schillinger	Ice Factory.
Birmingham	Birm. Mark. Pot & Mfg. Co.	Manufacturing.
Birmingham	Morrow Mining Co.	Mining.
Birmingham	Elyton Land Co.	Planing Mill.
Birmingham	Smith Sons Gin & Mach. Co.	Enlarged Factory.
Birmingham	E. Birming' s Sad Iron Wks.	Sad Iron Works.
Birmingham	Alabama Gold Mining Co.	Mining, &c.
Birmingham	Birmingham Water Works	New Reservoir.
Birmingham	Birm. Nat. Gas & Fuel Co.	Gas Works.
Birmingham	J. J. Howe & E. D. Bacon.	Sight Factory.
Birmingham	E. Birming. Iron & Steel Co.	Iron, &c.
Birmingham	Birmingham Holloware Co.	Hollow-Ware Factory.
Birmingham	Pleasant Valley Land & Mfg. Co.	Manufacturing, &c.
Birmingham	R. J. Miles & Co.	†Planing Mill.
Birmingham	Avondale Ice Factory	Ice Factory.
Birmingham	Jackson Coal & Coke Co.	Mining.
Birmingham	Birmingham Glass Works	Glass Works.
Birmingham	H. W. Sessions	Creamery.
Birmingham	Birm. in Safe & Lock Co.	Fire-Proof Safe Factory.
Birmingham	Automatic Water Gas Co.	Manufacturing.
Birmingham	Jefferson Brick Co.	Brick Works.
Birmingham	Walker County Coal Oil Co.	
Birmingham	Jefferson County Ter. Cot.	Terra Cotta Factory.
Birmingham	Alabama Mineral Bureau	Mining, &c.
Birmingham	Birm. Clothing Mfg. Co.	Clothing Factory.
Birmingham	Birm. Rol. Mill & Mfg. Co.	Rolling Mill.
Birmingham	Silk Cult. & Indus. Acad'y. Silk.	
Birmingham	Coaldale Brick & Min. Co.	Mining and Manufact'g.
Birmingham	Bir'gham Flooring Mill Co.	Flooring Mill.
Birmingham	Terry Brick Works Co.	Brick Works.
Birmingham	Alabama Ice & Cold Stor. Co.	Ice Factory.
Birmingham	N. O. Birm. & Notasulga Granite Co.	Quarrying.
Birmingham	Southern Stamping Co.	Tinware Factory.
Birmingham	B. E. Grace	Mining.
Birmingham	Friel & Moore	Mining.
Birmingham	Birmingham Plow Works	Plow Factory.
Birmingham	Caldwell Printing Works	Electric Light.
Belling	Milner, Caldwell & Flowers	Saw and Planing Mill.
Bynum	Barnwell & Huger	Saw Mill.
Collinsville, nr.	Morgan	Furniture Factory.
Cross Plains	Pryon & Johns	Brick Works.
Danville	E. T. Henderson	Sash and blind factory.
Danville	Danville Asphalt, Oil & Mining Co.	Asphalt and Oil.
Decatur	Bethard Planing Mill	Sash and Door Factory.
Decatur	Decatur Cotton Gin Co.	Gin and Grist Mill.
Decatur	Min. Paint & Gran. Roof. Co.	Roofing Works.
Decatur	Dec'r Fire Fence Mach. Co.	Fence Machinery.
Decatur	Iuman & Co.	Water Works.
Decatur	Bottling Mineral Water & Bottling Co.	Bottling Works.
Decatur	Decatur Artificial Stone Co.	Artificial Stone.
Flint	Williams & Kennedy	Brick Works.
Florence	W. B. Wood Furnace Co.	Furnace.
Florence	Leftwich & Sample	Brick Works.
Florence	Fior. Land, Min. & Mfg. Co.	Brick Works.
Florence	Fior. Com., Pack. & Fer. Co.	Cotton Compress.
Florence	James C. Anderson	Candy Factory.
Florence	Nichols	Planing Mill.
Florence	Eli Rolling Mill Co.	Rolling Mill.
Florence	B. F. Conreart	Planing Mill.
Gadsden	Gadsden Metallic Paint Co.	Paint Mill.
Greenville	Greenville Lum. & Mfg. Co.	Saw Mill.
Guntersville	John W. Perkins	Iron Ore Mining.
Guntersville	J. P. Robinson	Limestone Quarrying.
Hartselle	S. & H. Holt	Brick Works.
Huntsville	Morgan Co. Asp'l & Oil Co.	Asphalt and Oil.
Huntsville	Huntsville Elec. Light Co.	Electric Light Plant.
Isbell	Allen & Robinson	Shingle Mill.
Isbell	Ogden Street	Ore Mining.
Isbell	Gibson & Bell	Saw Mill.
Isbell	T. L. Fossick & Co.	Ore Mining.
Kennedy	Leeds Co.	Saw and Grist Mill.
Leeds	Leeds Lumber Co.	Planing Mill.
Lime Rock	Alabama Black Band Coal, Iron & R. R. Co.	{ Coal Mining.
Lincoln	Williams & Haley	Saw Mill.
Live Oak	T. F. Thomasson & Co.	Saw Mill.
Mobile	Gulf Coal & Coke Co.	Increased Capital.
Mobile	Prog. Elec. Lt. & Motor Co.	Electric Light Works.
Montgomery	Sheffield & Birm. Coal Co.	Coal Mining.
Montgomery	Adams Cotton Mills	Enlarged Mill.
Montgomery	Jos. L. Friedman	Vinegar Works.
Montgomery	Southern Cotton Oil Co.	Cotton-Seed Oil Mill.
Nectar	J. L. Haire	Gin.
Newcastle	Newcastle Coal & Coke Co.	Coke Ovens.
Northport	David Higdon	Saw Mill.
Notasulga	Notasulga Granite Co.	Cotton Mill, &c.
Opelika	M. F. Trawick	Fertilizer Factory.
Oxana	C. C. Huckabee	Cotton-Seed Oil Mill.

LOCATION. NAME. BUSINESS.

Oxford.....	W. C. Stewart & Davidson.	Planing Mill.
Oxford.....	Wm. H. Wood.	Ochre Mining.
Perdido.....	Baldwin Lumber Co.	Saw and Planing Mill.
Powdery.....	Powdery St. Brick Mfg. Co.	Brick Yard.
Powdery.....	Powdery Cigar Co.	Cigar Factory.
Prattville.....	Prattville Mfg. Co.	Cotton Mill.
Riverside.....	Riverside Land & Lum. Co.	Planing Mill.
Russelville.....	Robinson & Allen.	Shingle Mill.
Selma.....	Armour & Co.	Pack & Refrig. House.
Selma.....	Chas. A. Wieland.	Soap Factory.
Selma.....	Selma Cigar Mfg. Co.	Cigar factory.
Selma.....	G. M. Adams.	Shirt Factory.
Selma.....	Selma Rolling Mill & Chain	Chain Works Co.
Selma.....	F. D. Tinsley.	Fertilizer Factory.
Sheffield.....	Eureka Brick & Lumber Co.	Enlarged Works.
Sheffield.....	Hale.	Brick Yard.
Sheffield.....	East Sheffield Mfg. Co.	Brick Works.
Shelby I. Wks.	Shelby Iron Co.	Remodeled Furnace.
Six Mile.....	Lewis McSpadden.	Brick Yard.
Talladega.....	Golden & Nance.	Machine Shop.
Talladega.....	Jacob Bros.	
Talladega.....	Talladega Ice Co.	Ice Factory.
Talladega.....	Arthur Bingham & Co.	Saw Mill.
Talladega.....	Brush Electric Light Co.	Electric Light Plant.
Talladega.....	Talladega Gas & Water Co.	Gas Works.
Talladega.....	Geo. W. Chambers.	Brick Yard.
Trinity.....	Decatur & Trinity Land	
Trinity.....	Improv't & Mfg. Co.	
Trout Creek.....	St. Clair Coal Co.	Enlarged Mining, Coke Ovens, &c.
Troy.....	Pike County Guano Co.	Fertilizer Factory.
Tuscaloosa.....	Tuscaloosa Tile & Brick Co.	Brick and Tile Works.
Tuscaloosa.....	Tusca. Comp & W'house Co.	Cotton Compress.
Tuscaloosa.....	Tuscaloosa Brick & Tile Co.	Saw Mill.
Tuscaloosa.....	Edgefield Land & Imp. Co.	Fire-Brick Works.
Uniontown, Jr. Bush.....		Saw Mill.
Waddell's Sta'n, Crow & Robinson.....		Stone Quarrying.
Wheeling.....	Woodward Iron Co.	Enlarged Coal Mine & Coke Ovens.
Woodstock.....	Edwards Iron Co.	Mining and Coke Ovens.

ARKANSAS.

Antimony City.....		Smelter.
Antimony City. Antimony City Mining Co.		Paint Factory.
Ardakelphia.....	Ardakelphia Lumber Co.	Planing Mill.
Arkansas City.....	Sweet & Tripp.	Planing Mill.
Batesville.....	Demie & Co.	Lime Works.
Bear.....	Exeter Mining Co.	Mining.
Bear.....	C. F. French Mining Co.	Mining.
Bear.....	Ryan Bros.	Mining.
Bear.....	Kirkwood Mining Co.	Mining.
Bear.....	Biglin & Jacobs	Mining.
Bear.....	Barnes & Ish.	Mining.
Bear.....	Rogers & Fisher.	Mining.
Bear.....	Bear Mountain Mining Co.	Stamp Mill.
Bear.....	Golden Wonder Mining Co.	Stamp Mill.
Bear.....	Excelsior Mining Co.	Stamp Mill.
Benton.....	Excelsior Soap Stone Slab	Mining.
Camden.....	Brick Mfg. Co.	Cotton Compress.
Clarksville.....	J. E. Cravens and others.	Mining, &c.
Crystal Springs.....	Texas Mining Co.	Mining.
Curtis.....	L. L. Reeder.	Saw Mill.
Dallas.....	S. P. Miller & Co.	Mining.
Dallas.....	Worthington.	Stamp Mill.
Dardanelle.....	Dardanelle Mining Co.	Mining.
Dardanelle.....	Dry Run Lumber Co.	Saw Mill.
Dry Run.....		Improved Plant.
Fort Smith.....	Fort Smith Water Works.	Machine Shops.
Fort Smith.....	Missouri Pacific R. R.	Fruit Evaporat'g Factory.
Franklin.....	J. R. Patterson & Co.	Distillery.
Golden City.....	Pedro Mining & Milling Co.	Mining.
Golden City.....	Arlington Land & Min. Co.	Mining.
Hackett City.....	M. M. Hazle.	Coal Mine.
Hensley.....	J. F. Smith.	Brick Yard.
Hot Springs.....	Cosmos Min'g & Smelt'g Co.	Mining.
Hot Springs.....	J. P. Mercer.	Mining.
Hot Springs.....	Arkansas Min. & Smelt' Co.	Mining, &c.
Hot Springs.....	Hot Springs Refrig'ra'tg Co.	Refrigerating Works.
Hot Springs.....	Crescent Min' & Smelt' Co.	Mining.
Hot Springs.....	S. W. Fowler.	Saw Mill.
Hot Springs.....	P. W. Masters and others.	Mining.
Hot Springs.....	Gasland Mining Co.	Mining.
Hot Springs.....	St. Louis Cabot Mining Co.	Mining.
Hot Springs.....	Main Mining Co.	Mining.
Hot Springs, Jr. Taylor & Booker.....		Mining.
Hot Springs.....	Enterprise Min' & Smelt' Co.	Mining.
Hot Springs.....	Hartford Mining Co.	Mining.
Hot Springs.....	Turner & Remington.	Mining.
Hot Springs.....	Little Hornet Mining Co.	Mining.
Hot Springs.....	Hydro Carbon Fixed Gas Co.	Gas Works.
Judsonia.....	Whitmore & Summers.	Saw Mill.
Kingsland.....	Davies & Son.	Furniture Factory.
Little Rock.....	Fred Hanger.	Ginny and Pickery.
Little Rock.....	H. A. Bowman & Co.	Saw and Planing Mill.
Little Rock.....	Little Rock Automatic Refrigerating Co.	Refrigerating Machinery.
Little Rock.....	Walls.	Soapstone Quarry.
Little Rock.....	Price Lumber Co.	Lumber Mill.
Little Rock.....	Arkansas Industrial Co.	Brick Works.
Little Rock.....	South Ouachita Mining Co.	Mining.
Little Rock.....	Roesch & Shutt & Co.	Wagon Factory.
Little Rock.....	D. R. Wing & Co.	Enlarged Machine Shops.
Little Rock.....	R. W. Worthen and others.	Mining, &c.
Little Rock.....	L. Anderson.	Saw and Planing Mill.
Little Rock.....	Southern Cotton Oil Co.	Cotton-Seed Oil Mill.
Little Rock.....	Louis Koers.	Enlarging Carriage Facy.
Little Rock.....	Elizabeth Ives.	Saw Mill.
Little Rock.....	Wiegel, O'Keefe & Co.	Quarrying.
Little Rock.....	Union Compress Co.	Cotton Compress.
Little Rock.....	Little Rock Elec. Light Co.	Improved Works.
Madison.....	H. Binn.	Saw Mill.
Magazine.....	Logan County Mining Co.	Mining.
Mammoth Spring.....	Mammoth Sprg Improve'nt & Water Power Co.	Cotton Mill & Flour Mill.
Newport.....	Newport Tanning Co.	Tanning Factory.
Pettigrew Mills.	J. A. C. Blackburn.	Flour and Saw Mill.
Pocohontas.....		Wagon Factory.
Prescott.....	Prescott Lumber Co.	Lumber Mill.
Reyno.....	P. N. Goetz.	Saw Mill.
Russelville.....	Smith & Brown.	Fdy. & Machine Shop.
Van Buren.....	Van Buren Ice & Coal Co.	Ice Factory.
Van Buren.....	Van Buren Planing Mills.	Planing Mills.
Van Buren.....	Mayor & City Council.	Water Works.
Yellville.....	Stecher City Mining Co.	Mining.

FLORIDA.

Anthony.....	J. Stranahan & D. A. Smith.	Quarrying.
Apalachicola.....	Apalachicola Oys'r & Fish Canning Co.	Canning Factory.
Arcadia.....	Sohanson & Isgreen.	Lumber Mill.
Belleview.....	E. Converse.	Spoke & Handle Factory.
Belmore.....	Burlington & Wilson.	Saw Mill.
Boca Grande.....	Robert Wilson.	Shipyard.
Bonifacio.....	H. Baromeister.	Fish Canning Factory.
Bonifay.....	Holmes.	Mattress Factory.
Bronson.....	T. E. Kirkley.	Lime Works.
Campbell City.....	Silliman & Scarritt.	Saw and Shingle Mill.
Campbell City.....	R. H. Seymour.	Lumber Mill.
Carabelle.....		Fertilizer Factory.
Dutton.....	Wells & Mitchell.	Wood working Factory.
Denver.....		Brick Yard.
Elliz.....	G. H. Sullivan.	Saw Mill.
Elliz.....	Geo. W. Moody.	Lumber Mill.
Fernandina.....	Mayor and City Council.	Water Works.
Fort Myers.....	Thos. Edison.	Electric Light Works.
Fort Meade.....	J. W. Powell.	Lumber Mill.

LOCATION. NAME. BUSINESS.

Jacksonville.....	Stewart & Co.	Palmetto Fibre Factory.
Jacksonville.....	Arctic Ice Co.	Additional Machinery.
Key West.....	Key West Gas Co.	Electric Light Works.
Kissimmee.....	Osceola Sugar Co.	Sugar Mill.
Lake Buffron.....	Davis.	Saw Mill.
Lake Butler.....	Lake Butler Stoneware Co.	Pottery Works.
Lloyd.....	W. L. Boni.	Enlarged Oil Mill.
Longwood.....	Mayer & Muddough.	Wood-working Factory.
Mayport.....	A. McCallum.	Lime Works.
Okahumpka.....	R. H. Ramsay.	Bucket Factory.
Otter Creek.....		Saw Mill.
Palatka.....	D. A. Boyd.	Saw Mill.
Pensacola.....	Pensacola Electric Light & Power Co.	Electric Light Works.
Pine Island.....	McDermott & Higgins.	Cigar Factory.
Peru.....		Broom Factory.
Rock Springs.....	John W. Gates.	Saw Mill.
Sanford.....	Cooley & Turner.	Moss Factory.
Sanford.....	Betts Fencing Co.	Fence Factory.
Silver Springs.....	S. Bodie.	Hosiery Factory.
Sorrento.....	Wm. Emerson.	Saw Mill.
St. Lucie.....		Canning Factory.
Tampa.....	Hillsborough River Br'k Co.	Brick and Tile Works.
Tampa.....	S. B. Knight.	Saw Mill Machinery.
Wacissa.....	Benjamin Eager.	Lumber Mill.

GEORGIA.

Athens.....	Gunn & Murray.	Brick Yard.
Athens.....	E. L. Lyndon.	Planing Mill.
Athens.....		Sash and Door Factory.
Athens.....	John R. Crawford.	Saw Mill.
Americus.....	Muckalee Mfg. Co.	Cotton Mill.
Americus.....	Americus Guano Co.	Fertiliz. Fact'y & Oil Mill.
Americus.....	Americus Land & Lum. Co.	Lumber Mills, &c.
Atlanta.....	New South Woven Card.	Furniture Factory.
Atlanta.....	Furniture Co.	Furniture Factory.
Atlanta.....	Atlanta Gas Lt. & Econ. Co.	Gas Economizers.
Atlanta.....	Atlanta Excelsior Co.	Excelsior Factory.
Atlanta.....	Woodward Lumber Co.	Sash and Door Factory.
Atlanta.....	Georgia Excelsior Mfg. Co.	Excelsior Factory.
Atlanta.....	Boyd & Baxter.	Furniture Factory.
Atlanta.....	Southern Cotton Oil Co.	Cotton-Seed Oil Mill.
Atlanta.....	American Ry. Equip. Co.	Railroad Cars.
Atlanta.....	American Cotton Seed Oil & Fertilizer Co.	Cotton-Seed Oil and Fertilizers.
Atlanta.....	Wine of Life Co.	Medicines.
Atlanta.....	Atlanta Lime & Cement Co.	Lime Works.
Atlanta.....	Empire State Electric Co.	Electrical Machinery.
Atlanta.....	Magnolia Starch Co.	Starch Factory.
Atlanta.....	Atlanta Wagon & Timb. Co.	Wagon Factory.
Augusta.....	Georgia Bleaching Co.	Bleachery.
Augusta.....	W. F. Thomas and others.	Canning Factory.
Augusta.....	Davenport Mfg. Co.	Pulp Mill.
Augusta.....	A. J. Twigs.	Additional Machinery.
Augusta.....	John F. King Mfg. Co.	Saw Mill.
Austell.....	Horton Ware.	Variety Works.
Barnesville.....	W. P. Bussey.	Saw Mill.
Brunswick.....	Patent Piling Protect' Co.	Piling Protection.
Brunswick.....	Tilly Bros. & Robertson.	Grist Mill.
Brunswick.....	Brunswick Artesian Ice Co.	Ice Factory.
Cairo.....	Dekle & Butler.	Saw Mill.
Camilla.....	C. W. Collins.	Saw Mill.
Camilla.....	W. H. Brimberry.	Saw and Grist Mill.
Canton, near.....	Georgian Mica Co.	Mica Mining.
Cartersville.....	Charles Hasler.	Manganese Mining.
Cedartown.....	W. J. Nicholl & T. J.	Mining.
Cedartown.....	Cherokee Land & Imp. Co.	Mining.
Cedartown.....	Clay Bros.	Brick Works.
Cedartown.....	R. H. Brewer.	Saw Mill.
Cedartown.....	Sims & Auchmuty.	Saw Mill.
Chambley.....	Bush Bros.	Brick Yard.
Clarksville.....	Porter Mfg. Co.	Saw and Planing Mill.
Clayton.....	Donaldson, Freeman & Co.	Cotton Compress.
Columbus.....	Meyer, Ball & Stern.	Clothing Factory.
Columbus.....	Muscogee Mfg. Co.	Additional Cotton Mill.
Columbus.....	Homer Howard.	Cotton Mill.
Columbus.....	Clegg Mfg. Co.	Additional Machinery.
Columbus.....	Swift Mfg. Co.	Enlarged Cotton Mill.
Concord.....	J. T. Trice.	Bed-spread Factory.
Conyers.....	W. V. Almond.	Wood-working Factory.
Covington, near.....	J. H. Almond.	Coffin Factory.
Covington, near.....	W. M. Henry & Co.	Mining.
Cumming.....	Sawnee Mt. Gold Min. Co.	Mining.
Dalton.....	Crown Cotton Mills.	Additional Machinery.
Dalton, near.....	H. C. Hamilton.	Mining.
Dalton.....	Dalton Mfg. Co.	Manufacturing.
Dalton.....	Dalton Elec. & Gas Lt. Co.	Gas and Electric Works.
Dalton.....	Southern Queen Mining & Pres.	Mining, &c.
Dalton.....	Prospecting Co.	Mining.
Dalton.....	Barrett, Denton & Lynn.	Flour Mill.
Dawson.....	B. H. Hood.	Saw Mill.
Douglasville.....	Preserving Co.	Canning Factory.
Dublin.....	Foster & McMillan.	Brick Works.
Dubois.....	Samuel Carnes.	Saw Mill.
Elberton.....	T. M. Swift.	Novelty Factory.
Ellijay.....	M. L. Cox.	Flour Mill.
Ellijay.....	M. V. Teen.	Distillery.
Empire.....	J. C. King and others.	Saw Mill.
Hawkinsville.....	J. L. Anderson.	Grist Mill.
Hawkinsville.....	Parker, Peacock & Co.	Barrel Factory.
Hawkinsville.....	H. L. VanTassel.	Agricultural Imp. Works.
Hawkinsville.....	& Machine Co.	Agricultural Imp. Works.
Holly Springs.....	H. F. Miller.	Fruit Evaporat'g Factory.
Homer.....	Girard Knitting Factory.	Saw Mill.
Grady.....	R. H. Brewer.	Double Knitting Factory.
Graysville.....	Graysville Min. & Mfg. Co.	Saw Mill.
Griffin.....	M. L. Bates.	Manufacturing & Mining.
Griffin.....	J. C. King and others.	Grist Mill.
Hawkinsville.....	E. L. VanTassel.	Brick Yard.
Forsyth.....	Bennett Bros.	Planing Mill.
Fort Valley.....	A. L. VanTassel.	Fruit Evaporat'g Factory.
Gainesville, Jr. T. H. Gargrave.		Saw Mill.
Girard.....	Girard Knitting Factory.	Mica Mine.
Grady.....	R. H. Brewer.	Agricult. Imp. Factory.
Juno.....	Charles J. Harben.	Saw Mill.
Kingston.....	Gaines & Lewis.	Improved Flour Mill.
Lifsey's Store.....	T. J. Slade.	Saw Mill.
Macon.....	Macon Agricultural Works.	Agricultural Imp. Factory.
Macon.....	Toole & Ernest.	Brick Works.
Macon.....	Macon Grooved Picket Fence Co.	Fence Factory.
Macon.....	Eureka Co.	Potash Factory.
Macon.....	Central R. R. & Banking Co.	Cotton Compress.
Macon.....	Hatcher Iron Wagon Co.	Wagons.
Macon.....	John	

MANUFACTURERS' RECORD.

LOCATION.	NAME.	BUSINESS.
New Iberia	A. & V. Meyer and others	Sugar Mill.
New Iberia	Aucorn	Cistern Factory.
New Orleans	Tieless Insulator Co.	Electrical Appliances.
New Orleans	Southern Gas Econ. Co.	Gas Economizers.
New Orleans	Pine Woods Distillation Co.	Distillery.
New Orleans	R. B. Mitchell	Cistern Factory.
New Orleans	Brush Electric Light Co.	Enlarged Plant.
New Orleans	Allen & Co.	Charcoal Works.
New Orleans	Thomas O'Connor	Wagon Factory.
New Orleans	Gerard's Recilinear Pro- pellor & Rot'y Eng. Co.	Engines, &c.
New Orleans	New Orleans Pinewood Distilling Co.	Distillery.
New Orleans	Cross-Tie Lumber Co.	Cross Ties, &c.
New Orleans	Natural Oil Works & Mill Supply Co.	
New River	Picard	Cotton Gins.
Opelousas	St. Landry Comp. Mfg. C.	Rice & Oil Mill & Comp's.
Plaquemine	A. Wilbert's Sons Lumber & Shingle Co.	Lumber Mill.
Plaquemine	Foudry Co.	Foundry.
Rayne	Rayne Milling & Mfg. Co.	Rice Mill.
St. Charles Par. R. Viterbo		Sugar Mill.
St. Charles Par. E. Rost		Sugar Mill.
Shreveport	Southwestern Petroleum & Mineral Develop'g Co.	Coal, Gas, &c.
Sparta	Gibbs Lumber Mill	Planing Mill.
Springfield		Chemical Works.
Springfield	J. E. Dubois and others	Saw Mill.
Washington	Philip Jacobs and others	Cotton Compress.

MARYLAND.

Adamstown	Henry E. Smith and others	Creamery.
Alleghany Co.	W. H. Pepper and others	Fire Brick Works.
Baltimore	Pennsylvania Steel Co.	Furnaces, &c.
Baltimore	Scott Mfg. Co.	Foundry, &c.
Baltimore	Standard Brewing Co.	Brewery.
Baltimore	Nat'l Consumers Meat Co.	Ice Factory.
Baltimore	J. F. Weisner & Bro.	Brewery.
Baltimore	M. T. Dorsey	Chemical Works.
Baltimore	Geo. Bauerndschmidt	Ice Factory.
Baltimore	Marburg Bros	Enlarged Tobacco Fact'y.
Baltimore	James Bates	Enlarged Foundry.
Baltimore	Stand. Auto. Gas Light Co.	Lamps, &c.
Baltimore	Baltimore Brewing Co.	Brewery.
Baltimore	Emmart Wightman & Co.	Can Factory.
Baltimore	Columbian Iron Works &	Electric Light.
Baltimore	Dry Dock Co.	Brick Yard.
Baltimore, near	S. W. Ritter	Canning Factory.
Castleton	James T. Knight	Improved Flour Mill.
Ceresville	E. A. Shriner & Son	Enlarged Works.
Colora.	Waring Fertilizer Co.	Saw Mill & Cann'g Fact'y.
Deer Creek	Chas. A. Rutledge	
Derwood		
Dulaney's	D. H. Kent	
Easton	John W. Barber & Co.	Flour Mill.
Elkton	Elkton Machine Works	Enlarged Works.
Elkton	J. D. Carter	Improved Paper Mill.
Elkton	M. Gambrell & Co.	Cotton Mill.
Feagaville	Red Spring Creamery Co.	Creamery.
Flintstone	Flintstone Land & Min. Co.	Mining, &c.
Frederick	Frederick Seaml's Hos'ry Co.	Hosiery Factory.
Frederick	Catharine Min. & Mfg. Co.	Mining, &c.
Frederick	C. L. C. Lampe	Creamery.
Freeland	A. Shaves & Son	Enlarged Paper Mill.
Germantown	L. L. Watkins	Flour Mill.
Hagerstown	Danzer Lumber Co.	Furniture Factory.
Havre de Grace	Vandiver & Murphy	Mining.
Hydes	Haite & Jessoh	Canning Factory.
Joppa	Herman Lehman	Canning Factory.
Clayton	Leinan Bros.	Canning Factory.
Longwoods	Wm. T. Elbin	Flour Mill.
Mechanistown	Mechanistown Water Co.	Water Works.
Oakland	Oakland Coal & Coke Co.	Coke Ovens.
Oakland	G. W. Moon & Co.	Red Spring Factory.
Odenton	Geo. M. Murray	Canning Factory.
Oxford	Oxford Mfg. Co.	Toy Factory.

MISSISSIPPI.

Biloxi	H. W. Hitchcock	Canning Factory.
Bogue Chitto	Keystone Lumber Co.	Saw Mill.
Columbus	S. Rosenbaum & Co.	Furniture Factory.
Columbus	L. C. Terry	Brick Yard.
Columbus	Columbus Gas Works.	Enlarged Gas Works.
Corinth	M. A. Powell	Stave Factory.
Corinth	W. T. Adams Machine Co.	Mach. Shop & Foundry.
Crystal Springs	Miss. & Tenn. Iron & Mfg.	Canning Factory.
Duck Hill	Co.	Brick Yard.
Fort Adams	E. E. Row	Gin.
Fulton	P. Cates	Lumber Mill.
Greenville	Greenville Water Works Co.	Water Works.
Greenville	Planters' Com. & Ware Co.	Cotton Compress.
Hattiesburg	Kamper & Buschman	Saw and Planing Mill.
Hattiesburg	Robinson & Co.	Brick Works.
Myrtle	Baker & Wilkinson	Saw Mill.
Natchez	Robert Clark	Carriage Factory.
Natchez	Thomas Reber	Electric Light Works.
Natchez	D. X. Bros	Stained Glass Factory.
Natchez	Natchez Cotton Mills Co.	New Machinery.
Okolona	Brown & Bro.	Tile Factory.
Shell Mound	Oscar F. Bledsoe	Saw Mill.
Vicksburg	Warren County Mfg. Co.	Cotton & Cot. sd. Oil Mill.
West Point	West Point Compress Co.	Cotton Compress.
Yazoo City	Swain & Hansmen	Grist Mill.

NORTH CAROLINA.

Asheville	C. G. West & Co.	Wood-working Factory.
Asheville	Sherman & Stevens	Cigar Factory.
Asheville	Tuckasegee Lumber Co.	Sash and Door Factory.
Asheville	Mayor & City Council	Brick Yard.
Asheville	R. N. Adams & Son	Furniture.
Asheville	Asheville Electric Light & Power Co.	Enlarged Plant.
Asheville	Cit. Grist Mill.	Grist Mill.
Asheville	John Hart	Planing Mill.
Bost's Mills	Ros' & Cannon	Plow Works.
Bynums	J. M. Odell Mfg. Co.	Add. Cotton Machinery.
Charlotte	Piedmont Milling Co.	Corn and Feed Mill.
Charlotte	C. Valer & Co.	Bottling Factory.
Charlotte	Brem & McDowell	Frick & Tile Works.
Charlotte	Phillip Schiff	Bone Mill.
Clemmons	J. T. Swain	Saw Mill.
Coleridge	Enterprise Mfg. Co.	Additional Machinery.
Concord	Odell Mfg. Co.	New Machinery.
Cullasaja	H. S. Lucas	Ore Crusher and Washer.
Davidson Col'ge	Stough, Cornelius & Co.	Cotton Mill.
Davidson Col'ge	M. W. Crawford	Boot and Shoe Factory.
Dover	John W. Moody	Saw Mill.
Dunn	A. B. Goodwin	Buggy Factory.
Dunn	Parker & Harper	Brick Yard.
Durham	James Y. Whitted	Tobacco Factory.
Durham	Durham Furniture Mfg. Co.	Furniture Factory.
Durham	Faucett-Durham Tobacco	Enlarged Factory.
Elk Park	& Snuff Co.	
Emma	Harper & Burnhart	Furniture Factory.
Fayetteville	Penniman & Patton	Brick Works.
Fayetteville	John L. Allen	Tobacco Factory.
Fayetteville	Sutton & Henzy	Novelty Works.
Fayetteville	E. G. Stryon & Co.	Grist Mill.
Fayetteville	Hop Mfg. Co.	Enlarged Cotton Mill.
Fayetteville	Reaver Creek & Bluff Mills	Enlarged Cotton Mill.
Forest City	D. E. Stearns	Mining.
Forest City	Turner & Hayes	Saw Mill.
Franklin	D. Joyner	Planing Mill.
Gaston	Spence & Hull	Carriage Factory.
Goldsboro	Goldboro Furnit'g Mfg. Co.	Furniture Factory.
Goldsboro	W. H. Griffin	Brick Yard.
Graham	W. G. Wilson	Saw Mill.
Granite	Hunter, Hoke & Turner	Shuttle Block Factory.
Granite	Iscard & Miller	Gin.

LOCATION.	NAME.	BUSINESS.
Greensboro	Peterfish & Gibbs	Cigar Factory.
Greensboro	Thompson-Houston Elec- tric Light Co.	Electric Light Works.
Greensboro, nr.	W. A. Fields	Mining.
Henderson	Strause & Raab	Tobacco Prize Factory.
Hickory	Link & Combs & Co.	Canning Factory.
Hickory	A. A. Shuford	Cotton Mill.
High Point	Empire Plaid Mills	Enlarged Cotton Mill.
Indian Town	Jones, Stevens & Bray	Grist Mill.
Jamestown	Oakdale Mfg. Co.	Cotton Mill.
King's Mount	Carolina Iron Co.	Mining.
Kinston	H. C. Parrott	Lumber Mill.
Knob Creek	John Cline	Shingle Mill.
Lexington	Hanes Mfg. Co.	Canning Factory.
Lincolnton	J. L. Kistner	Shuttle Block Factory.
Mill Hill	Jacob Stireman	Flour Mill.
Monbo	Monbo Mfg. Co.	Cotton Mill.
Monbo	J. S. Troutman	Flour Mill.
Moun Mourne	Harris & Co.	Saw Mill.
Newberne	W. B. Blades & Bro.	Saw Mill.
Newberne	J. M. Hines	Manufacturing Furniture.
Newton	Newton Cotton Mills	Additional Machinery.
Onslow County	Yunt & Shrum	Canning Factory.
Parkwood	Ward & Rochelle	Saw Mill.
Prosperity	N. C. Millstone Co.	Ice Factory.
Raleigh	W. K. Jackson	Enlarged Cotton Mill.
Raleigh	Falls of Neuse Mfg. Co.	Shingle Mill.
Rutherfordton	Jones & Powell	Planing Mill.
Rutherfordton	Arrowood & King	Cotton Mill.
Rutherfordton	Henrietta Mills	Grist and Flour Mill.
Rutherfordton	T. J. Watson	Chair Factory.
Salem	S. T. Pierce	Cig. Factory.
Salisbury	Geo. T. Heller	Tobacco Factory.
Salisbury	Foard, Rice & Bost	Tobacco Factory.
Salisbury	Robertson & Miller	Tobacco Factory.
Salisbury	Beall & Co.	Tobacco Factory.
Salisbury	C. W. Carrier	Fertilizer Factory.
Salisbury	Johnson & Ramsay	Tobacco Factory.
Salisbury	Yadkin Mining & Mill'g Co.	Reduction Works.
Salisbury, near	A. T. Nye, manager	Mining Machinery.
Shelby	Cleveland Mica Co.	Mica Mining.
Shelby	Anderson & Parrett	Or Mining.
Shelby	C. Fromm	Brick Yard.
Southern Pines	H. A. Bland	Planing Mill.
Staley	A. C. Burgess & Co.	Saw an' Planing Mill.
Swan Quarter	Spencer Bros.	Grist Mill.
Swift Island	Elias Hurley	Shuttle Block Factory.
Thomasville	Appalachian Gold Mine	New Machinery.
Wadesboro	Wadesboro Brown Stone Co.	Quarrying.
Wadeville	W. L. Wade & Bro.	Shuttle Block Factory.
Webster, near		Plumbago Mining.

SOUTH CAROLINA.

Aiken	Craig Kaolin Co.	Kaolin Mine.
Beech Island	B. D. Lamar	Chalk Mining.
Bennettaville	Marlboro Mfg. Co.	Cotton Mill.
Bishopville	Floyd & Andrews	Grist Mill.
Bishopville	P. G. Bowmanger	Broom Factory.
Camden	W. E. Glenn	Brick Yard.
Catawba	Catawba Fall Mfg. Co.	Manufacturing.
Central	Wilson & Phillips	Improved Saw Mill.
Charleston	Brown & Howie	Planing Mill.
Charleston	Charleston Lt. & Power Co.	Gas Works.
Charleston	Charleston St. Laundry Co.	Shirt Factory.
Charleston	Welch & Eason	Coffee-Roasting Mill.
Charleston	Clifton Mfg. Co.	Cotton Mill.
Charleston	M. A. Markley & Co.	Hosiery Factory.
Columbia	Southern Cotton Oil Co.	Cotton-seed Oil Mill.
Columbia	J. E. Turner	Canning Factory.
Darlington	Woods & Spain	Brick Yard.
Dudley	W. R. Massey	Gin.
Edgefield	O. O. Barr	Saw Mill.
Enoree	Fork Shoals Mfg. Co.	Cotton Mill.
Fork Shoals	Fork Mill Mfg. Co.	Add. Cotton Machinery.
Graniteville	Graniteville Mfg. Co.	Cotton Mill.
Greenville	Huguenot Mills	Enlarged Cotton Mill.
Hampton C. H. Mauldin & Son		Saw Mills.
Honea Path	A. J. Sittin	Cotton Mill.
Laurens	Laurens Brick Mfg. Co.	Brick Yard.
Mayesville	C. P. Mallett	Mining.
Mount Pleasant	Mount Pleasant Canning Co.	Canning Factory.
Orangeburg	Pacolet Mfg. Co.	Water Works.
Prosperity	Wheeler & Moseley	Ginnery.
Rock Hill	W. S. Creighton & Co.	Planing Mill.
Rock Hill	G. A. Cowan	Tobacco Factory.
Sumter	A. C. Durant	Brick Yard.
Sumter	H. G. Scarborough	Brick Yard.
Sumter	Chas. F. Blakeman Mfg. Co.	Water Works.
Triangle		Hub and Handle Factory.
Union	R. M. Richardson	Cotton Mill.
Walhalla	R. W. Stokes	Saw and Planing Mill.
Waterloo	J. T. Harris	Saw Mill.

TENNESSEE.

A. B. C.	Charles Duffer	Distillery.
Athens	Athens Mining & Mfg. Co.	Cotton Mills, &c.
Athens, near	James H. Bean and others	Manufacturing & Mining.
Blountville	D. J. Hickman	Ore Mining.
Blountville		Ore Mining.
Bolivar	S. R. Conger	Saw Mill.
Bristol	J. A. Buffman & Co.	Planing Mill.
Buckeye	John R. Richardson	Broom Factory.
Cedar Hill	B. A. Powell	Saw Mill.
Chattanooga	Fast Tenn. Mfg. & Bid. Co.	Brick Yard & Sash Fac'y.
Chattanooga	H. A. Johnson & Co.	Planing Mill.
Chattanooga	J. T. Reamy and others	Saw Mill Machinery.
Chattanooga	Dobbs & Reynolds	Grist Mill.
Chattanooga	H. H. Embrey	Brick Yard.
Chattanooga	Mfg. Co.	Saw Mill.
Chattanooga	Chattanooga Canning Co.	Enlarged Factory.
Chatt		

LOCATION.	NAME.	BUSINESS.
Dallas	Dallas City Gas Light Co.	Improving Plant.
Dallas	Dallas Ice Factory	Ice Factory.
Dallas	North Texas Lumber Co.	Lumber.
Decatur	Swan & Rosenburg	Mining.
Denison	Alliance Milling Co.	Flour Mill.
Denison	Denison Nat. Gas, Coal & Mining Co.	Gas, & Coal Mining.
Denton	Denton Coal Co.	Coal Mining.
Denton	Denton Brown Sand Stone Co.	Quarrying.
Dublin	Artesian Water Works.	Artesian Water Works.
El Paso	El Paso Smelting Works.	Smelting Works.
El Paso	Union Powder Co.	Powder Works.
Fiskville	L. M. Mays	Coal Mining.
Fort Worth	Fort Worth Machine & Boiler Works.	Tannery.
Fort Worth	Fort Worth Tannery Co.	Tannery.
Fort Worth	Fort Worth Ice Co.	Ice Factory.
Fort Worth	Fort Worth Iron Works.	Iron Works.
Fort Worth	Texas Natural Gas Co.	Natural Gas.
Fort Worth	A. T. & Santa Fe R. R.	Machine Shops.
Fort Worth	Fort Worth Water Power & Mfg. Co.	Manufacturing.
Fort Worth	W. F. Lake and others	Horse Collar Factory.
Fort Worth	St. Louis, Ark. & Tex. R. R.	Machine Shops, &c.
Fort Worth	Fort Worth Electric Light & Power Co.	Enlarged Plant.
Fort Worth	Samuel Evans and others	Cotton & Woolen Mill.
Gainesville	J. D. Buckley	Planing Mill.
Gainesville	Electric Light, Heat & Power Co.	Electric Light.
Galveston	Flour Mill.	Flour Mill.
Galveston	Brush Elec. Lt. & Pow. Co.	Enlarged Plant.
Galveston	J. S. Schott Mfg. Co.	Manufacturing.
Galveston	Taylor Compress Co.	Cotton Compress.
Galveston	Brazoria Land & Cattle Co.	Abattoir, &c.
Galveston	Galveston Bag. & Cord. Co.	Bagging Factory.
Galveston	J. W. Byrnes	Pitch Works.
Galveston	Toebelman & Co.	Shoe Factory.
Gordon	Jas. Byrons & John Thomas	Coal Mining.
Granbury	W. Day	Ice Factory.
Greenville	Texas Compress Associa'tn.	Compress.
Greenville	T. H. Ring & B. F. Loney	Cotton Compress.
Henderson	J. H. Douglas	Canning Factory.
Hillsboro	Hillsboro Compress Co.	Cotton Compress.
Houston	J. Ziegler & Co.	Enlarged Cotton Pickery.
Honey Grove	Honey Grove Mill & Elevator Co.	Flour Mill.
Houston	John F. Dickson	Car Wheel Works.
Houston	Houston El. Lt. & Pow. Co.	Electric Light Works.
Leaky	Texas Mining, Mfg. & Chemical Co.	Mining.
La Grange	La Grange Water Co.	Water Works.
Laredo	Mexican Nat. Railway Co.	Machine Shops.
Laredo	Guadalupe Mining Co.	Smelter.
Lewisville	Lewisville Milling Co.	Flour Mill.
Longview	Louis R. R.	Machine Shops.
Malakoff	Malakoff Mining Co.	Coal Mining.
Marble Falls	Marble Falls Mfg. Alliance	Cotton and Flour Mill.
Marienfield	Peters	Flour Mill.
Marshall	H. E. Carter & J. H. Copeland	Broom Factory.
Marshall	J. M. Wheat & Co.	Saw and Shingle Mill.
Marshall	Marshall Car Wh. & Fdy. Co.	Wood-working Shop.
Marshall	Marshall Car Wh. & Fdy. Co.	Enlarged Machine Shops.
Masterville	L. N. Bruce	Remodel Flour Mill.
McKinney	Collin Co. Mill & Eleva. Co.	Flour Mill.
McKinney	Water Supply Association	Water Works.
McKinney	Dewar & Marley	Ice Factory.
McKinney	McKinney Oil Works	Cotton-seed Oil.
Midlothian	G. W. Shaffer	Flour Mill.
Mifflin	Hudson & Thrallkill	Flour Mill.
Morgan	Morgan Wat. Wks. & Ice Co.	Water Works.
Mount Pleasant	Brick Yard.	Brick Yard.
Mount Pleasant	Hargrove & Moore	Canning Factory.
Mount Pleasant	Sugg & Williams	Planing Mill.
Navasota	J. M. Camp and others	Compress.
Palestine	Edison Illuminating Co.	Enlarge Plant.
Paris	Arctic Ice & Refrig'r'r Co.	Refrigerating Rooms, &c.
Paris	A. McLaughlin	Flour Mill.
Pilot Point	Moffit & Harrison	Corn Meal Mill.
Riverside	A. M. Shannon & Co.	Stone Quarrying.
Rusk	Robert Pivoy	Saw Mill.
San Antonio	San Antonio Brewing Ass'n.	Ice Factory.
San Antonio	San Antonio Electric Light & Power Co.	Electric Light Works.
San Antonio	San Antonio Foundry Co.	Foundry.
Santa Anna	Harrison Mining Co.	Coal Mining.
Santa Anna	Wm. Anneser	Flour Mill.
Sherman	Farmers' Alliance	Flour Mill.
Sherman	Sherman Foundry & Machine Works.	Enlarged.
Sherman	Sherman Oil & Cotton Co.	Improved Oil Mill.
Tadmore	John Pool	Saw Mill.
Taylor	Taylor Water Co.	Enlarge Plant.
Temple	Central Texas Cotton Co.	Cotton Mill.
Terrell	Pioneer Coal, Ir'n & Min. Co.	Mining.
Texarkana	Matthews Lumber Co.	Lumber Mills.
Tyler	Tyler Water Co.	Improved Water Works.
Tyler	Farmers' Alliance	Cotton Mill.
Tyler	Tyler Lumber & Mfg. Co.	Lumber.
Tyler	Mayor & City Council	Gas Works.
Van Horn	San Antonio Mining Co.	Mining.
Waco	Waco Cotton Mills.	Enlarged Mill.
Warren	Texas Timber Co.	Lumber.
Wheelock	Texas & Pacific R. R. Co.	Machine Shops.
Whiteright	Whiteright Milling Co.	Flour Mill.
Wichita Falls	Wichita Falls & Winfield	Machine Shops.
Wichita Falls	R. R. Co.	Ginnery.
Wylie	Champlin & Smith	Ginnery.

VIRGINIA.

Abbyville	John D. Cornwell	Gold Mining.
Abingdon	Damascus Enterprise Co.	Saw Mill.
Aldie	J. E. Douglas	Barytes Mining.
Barren Springs	H. Clark	Manufacturing.
Balcony Falls	Balcony Falls Co.	Bedding Factory.
Berkley	White & Francis	Zinc and Silver Mining.
Bonsack	J. O. Hanes	Mining.
Brentville	D. S. Cook	Mining.
Buchanan	Wm. Wammock	Broom Factory.
Buchanan	Henry E. Boyd	Canning Factory.
Buffalo Gap	W. H. Clare	Saw and Planing Mill.
Central	J. H. Tyler	Brick Yard.
Clarksville	New South Cigar Works Co.	Cigar Works.
Columbia	Tagan Mill & Mining Co.	Mill.
Covington	Frank Lyman	Mining.
Coyner's Spgs.	T. F. Weeks & Son	Canning Factory.
Coyner's Spgs.	E. G. Nininger	Canning Factory.
Daleville	J. T. Morris & Co.	Shoe Factory.
Delaplane	Bagby & Co.	Distillery.
Dublin		Water Works.
Farmville	Geo. Campbell & Co.	Bark Mill.
Fincastle	L. P. Holladay	Canning Factory.
Fincastle	Oscar Bowyer	Foundry.
Floyd C. H.	Winfield Scott	Axe and Handle Factory.
Galt's Mills	S. A. Wright	Saw Mill & Sash Factory.
Graham's Forge	D. P. Graham	Ore Mining.
Greenville	Anderson & Waddy	Ore Mining.
Greenville	Vines & Steel	Ore Mining.
Hamilton	W. S. Kable	Carriage Factory.
Hardwicksville	A. N. White & Co.	Bark Mills.
Haymakertown	Ross & Rice	Canning Factory.
Hillsboro	Hillsboro Water Co.	Water Works.

LOCATION.	NAME.	BUSINESS.
Hillsville	Magnetic Mining Co.	Mining.
Ivanhoe Furn.	New River Mineral Co.	Enlarge Furnace.
Jeffersonville	Clinch Val. Coal & Iron Co.	Mining & Manufacturing.
Jeffersonville	Tazewell Coal & Iron Co.	Mining.
Jeffersonville	Kent Ridge Coal & Iron Co.	Mining.
Liberty	Bedford Spoke & Iron	Improving Works.
Liberty	F. A. Smith & O. C. Ruskin	Plow Factory.
Liberty	Bolling, Wright & Co.	Tobacco Factory.
Loudon County	L. F. Palmer and others	Creamery.
Lynchburg	Winifree Sons & Maupin	Additional Machinery.
Lynchburg	John Reckle	Basket Factory.
Lynchburg	Larkin & Moody	Carriage & Wagon Fact'y.
Manchester	Toler & Son	Furniture Factory.
Marion	Hull & Pugh	Ore Mining.
Marietta	Wm. Meek	Foundry and Mach. Shop.
Max Meadows	Wythe L'd & Zinc Mine Co.	Additional Furnaces.
Milnes	Shenandoah Iron Co.	Foundry.
Mt. Athos	Redmond & Lerner	Mining.
Nokesville	Mrs. Maria Keilit	Flour Mill.
Norfolk	Norfolk Dock Improve's Co.	Ship Building, & Mill.
Norfolk	Peoples' Illuminating Co.	Gas or Electric Works.
Petersburg	Thomson-Houston Elec.	Electric Light Works.
Petersburg	Ort & Holt	Planing Mill.
Pleasant Valley	E. Shefflet	Mill.
Pulaski City	Pulaski Water Supply Co.	Water Works.
Raphine	James E. Gibbs	Double Brick Works.
Reed Is. Fur'ce	Reed Island Iron Co.	Iron Furnace.
Richmond	Vulcan Iron Co.	Rolling Mill.
Richmond	Va. & N. C. Wheel Co.	Coach Material Factory.
Richmond	Richmond Coal, Mining & Mfg. Co.	Coal Mining.
Richmond	W. J. Westwood	Additional Machinery.
Richmond	Chester Clay Mfg. Co.	Clay Works.
Richmond, Jr.	Jos. R. Anderson, Jr.	Keg Factory.
Roanoke	Roanoke Rolling Mill & Co.	Rolling Mill.
Roanoke	Roanok-El. Lt. & Mfg. Co.	Electric Light.
Roanoke	Roanoke Cotton Mills	Cotton Mill.
Roanoke	Roanoke Machine Works	Additional Machinery.
Roanoke	Virginia Steel Co.	Steel, &c.
Rustburg	Willis J. Cannada	Canning Factory.
Rustburg	Wm. H. Ford	Bark Mill.
Salem	Tower	Iron Mining.
Salem, near	John Siler	Mining.
Scott County	Lyon Mfg. Co.	Manufacturing, &c.
Spring Hill	Witz & Holt	Improved Flour Mill.
Staunton	O. K. Lapham & Co.	Coal Extract Works.
Staunton	E. H. Wayman	Quarry.
Suffolk	Suffolk Iron Works	Machine Works.
Truro	Marks & Matthews	Ore Mining.
Vance	Samuel Shaver	Canning Factory.
Virginia	Sandy Riv. Mer. & Mfg. Co.	Tobacco Factory.
Virginia	Holston Steel & Iron Co.	Manufacturing, &c.
Virginia	Shenandoah Land & An.	Mining, &c.
Virginia	Round Mountain Mining & Mfg. Co.	Manufacturing, &c.
Virginia	Blue Ridge Mineral Co.	Mining, &c.
Virginia	Ky., Va. & Tenn. Coal & Mining Co.	Mining, &c.
Virginia	Va. & Tenn. Coal & Iron Co.	Manufacturing, &c.
Virginia	Pamunkey Min. & Nav. Co.	Mining.
Virginia	Buck Horn Iron & Imp. Co.	Mining.
Virginia	Byrd Creek Iron Co.	Iron, &c.
Virginia	New South Min. & Imp. Co.	Mining.
Virginia	Rustin L'd, Min. & Mfg. Co.	Mining.
Virginia	Staleys Crk' Man. & Iron Co.	Mining.
Virginia	Gold & Silver Mining Co.	Mining.
Virginia	Bristol Coal & Iron Co.	Mining.
Virginia	Shubunka Coal Mining & Mfg. Co.	Manufacturing, &c.
Warrenton	Bagley & Co.	Distillery.
Woodstock	I. I. Triplett	Flour Mill.
Wytheville	Wytheville Woolen Mills Co.	Woolen Mill.
Wytheville	Mayor & City Council	Water Works.
Wytheville	Mayor & City Council	Electric Light Works.
Wytheville	Virginia Mining Co.	Manufacturing, &c.

WEST VIRGINIA.

Austen	Austen Coke Works	Coke Ovens.
Barnesville	Barnesville Mfg. Co.	Woolen Mill.
Bayard	James P. Reese	Coal Mining.
Bridgeport	Bridgeport Saw & Planing	Saw and Planing Mill.
Buckeye	W. H. McClintic	Flour Mill.
Caldwell	John T. Dixon	Saw Mill.
Caldwell	John Driscoll	Saw Mill.
Charleston	Wm. Phillips & Son	Sash Factory.
Charleston	Kanawha Cons. & Land Co.	Manufacturing, &c.
Charleston	Buffalo Creek Coal Co.	Coal Mining.
Charleston	Kanawha & Ohio R. R. Co.	Machine Shop.
Echo	Central Coal Co.	Mining and Coke Ovens.
Elizabeth	M. R. Louther & Thorn	Flour Mill.
Fairmont	J. E. Watson & Co.	Coke Ovens.
Fire Creek	Central Coal Co.	Coal Mining.
Fort Spring	Fort Spring Phosphate	Fertilizer Factory.
Guyandotte	Ohio River R. R. Co.	Machine Shops.
Hinton	Mayor & City Council	Coal Mining.
Huntington	Newport News & Miss.	Enlarged Shop.
Mason City	Hope Mfg. Co.	Salt Works.
Moundsville	Mound City Gas Co.	Oil and Gas.
Parkersburg	C. H. Shattuck and others	Natural Gas and Oil.
Parkersburg	Camden Consolidat'd Oil Co.	Paraffine Works.
R. House Sho's	Switzer, Christy & Morris	Fire Clay.
R. House Sho's	Wm. Morris	Saw Mill.
Ritchie C. H.	John Driscoll & Dixon	Saw Mill.
Ronceverte	Potomac Lumber Co.	Lumber.
St. Albans	Patton & Goodwyn	Knit Goods Factory.
Second Creek	J. W. Rigg & Son	Woolen Mill.
Wheeling	Southern Nat. Gas & Oil Co.	Oil and Gas, &c.
Wheeling	Bell's Pottery Co.	Pottery Works.
Wheeling	Mound City Nat'l Gas. Co.	Natural Gas.
Wheeling	J. N. Nance	Pipe Mill.
Winfield	S. B. Thompson	Fire Clay.
Wheeling	Standard Axle Co.	Axle Works.
Wheeling	Bessemer Limestone Co.	Lime Works.
Wheeling	Joseph Bell Stove Co.	Stove Foundry.
Wheeling	Automatic Packing Co.	Piston Packing.

Rebuilt or being rebuilt after being burned.

Companies or firms in existence prior to April 1, 1887, but since that time have either enlarged their works or built new works, or increased capital. In many of these cases given in this list, reference is made to entirely new works built by old firms.

Advantages of Tuscaloosa as a Point for the Manufacture of Iron and Coke.

TUSCALOOSA, ALA., June 25, 1887.

Editor Manufacturers' Record:

The advantages of this place for the manufacture of iron and coke can be very succinctly and convincingly stated. Tuscaloosa has all the raw materials for iron making as cheap and accessible as any place in the State. The Red mountain ores of Birmingham extend down the Alabama Great Southern Railroad, unbroken to within 17 miles of the town.

There is already developed on the lands of the Tuscaloosa Coal, Iron & Land Co., immediately on the line of the Alabama Great Southern Railroad, a vein of fine soft red ore 16 feet thick, which on a strictly business analysis of the entire face of the vein shows 47 per cent. of metallic iron and only 126 of phosphorus. In the immediate vicinity of this opening is a very large deposit of fine limestone assaying 95 per cent. pure carbonate of lime. Within 5 miles of town are large deposits of fine brown ore. On the Louisville & Nashville Mineral Railroad, which will unquestionably come into Tuscaloosa in a short time, the iron ore comes down unbroken from Birmingham to below Woodstock, or within about 20 miles in inexhaustible profusion both red and brown.

As to coke the situation is if possible even more favorable. According to the opinion of the best posted geologists, the famous Pratt vein, which is Birmingham's coke source, actually underlies the town. The general character of the coal of the country is set forth in the following extracts from the last report of State geologist:

"The coal measures of this county are believed to be thicker than in any other part of the Warrior field, or in any other field of the known world. * * * There are in these measures some fifty-three seams of coal, which vary in thickness from about two inches to fourteen feet, and which have an aggregate thickness of about 125 feet of pure coal. Of these, fifty-three coal seams, twenty-five are of workable thickness, or contain eighteen inches and over of pure coal. Of these twenty-five seams, fourteen have two feet six inches and over of coal; of these fourteen seams, nine have over four feet of coal; and of these nine seams

BEAR CITY, ARK.

In the Heart of a Great Undeveloped Mineral Country Where Gold and Silver are Found in Astonishing Quantities.

Something About the Mines, Bonanza Ores.

[Special correspondence MANUFACTURERS' RECORD.]

BEAR CITY, ARK., June 18, 1887.

Journeying in a southwesterly direction from the famous Hot Springs, of Arkansas, a distance of 16 miles, we find beautifully situated in a broad valley, surrounded by ranges of mountains and intersected by clear, cool mountain streams, the first mining camp of any importance, now a bustling, booming town, destined soon to be worthy of its more mature name—Bear City. Bear City is situated in Montgomery county and derives its name from Bear mountain, at whose base it lies. It was formerly known as Bear, but owing to its rapid growth and important situation in the heart of a mineral region whose vast hidden wealth is a wonder to those who have seen for themselves, it is now called Bear City. Bear City is only 27 miles from one of the main arteries of the Missouri Pacific Railroad system, and that company will, no doubt, soon extend a branch to this place and beyond when further developments shall justify them in doing so.

The population, including the mining camps immediately surrounding the town, consists at present of about 400 people, and a large daily influx of miners, business men and visitors who come to look on, but "who stay," will soon swell the number to several times these figures.

The town was platted out in February of this year, and was originally 20 acres. Since then three additions have been made and the town now covers an area of 150 acres, all nicely situated. Nearly one-half of the town lots have been sold to settlers and business men, and choice lots which 3 months ago sold for \$50 each, now readily bring \$300 or \$400. Over 100 buildings have been erected and others are being built as fast as lumber and building material can be had. The saw and planing mills for miles around are taxed to their utmost capacity and yet cannot begin to supply the demand for lumber, which is eagerly bought, wet and unseasoned, and used in constructing offices, hotels, stores, houses, etc., as a temporary preparation for the great boom near at hand.

BANKS.

The Miners' Exchange Bank is owned by Messrs. Barnes & Rogers, formerly of Kansas City, Mo., who, like many others, came to this place out of mere idle curiosity, but who, when they saw the vast possibilities of the location, gave up a pleasure trip to Florida, took off their coats and went to work, and much of the progress and development of the town is due to the enterprise and push of this energetic banking and real estate firm. They have a handsome office on one of the main streets, where they do a regular banking business, besides dealing in real estate, mining claims and mining stocks. Their office is a popular rendezvous for visitors and town people, who always find a hearty welcome and hospitable treatment.

MINING AND REAL ESTATE BROKERS.

Ish & Fischer are a live wide-awake firm who came here from the Black Hills, when the first rumors went abroad of rich discoveries of gold and silver. Being experienced miners and experts, they were not slow in discovering the value and extent of the mineral deposits, and here they settled, located and bought many valuable claims, mining stock and real estate; and they now have some of the choicest and most valuable property in the camp. Their elegantly fitted office has maps and drawings of all their properties, and cabinets contain

specimens of ores, with analysis and assays of each. Several saddle horses are kept for the accommodation of their visitors who wish to see mining claims and properties, and Messrs. Ish & Fischer always insist on a thorough investigation and examination of every foot of property handled by them. Any information about the mines, stocks, real estate or claims will be cheerfully furnished by them upon application.

F. D. Booth and Messrs. Suydam & Bentz own and control other valuable properties, and have been prime movers in the organization of mining companies. The activity displayed in their places of business would indicate that they have their hands full. Bear City boasts of 5 hotels and another, a large 3-story building, costing \$10,000, will soon be completed. There are 3 assayers' offices—that of the Lost Louisiana Co., Geo. E. Bent and A. M. Beam—all conducted by gentlemen of experience and reputation. Five general merchandise stores, 2 drug stores, 1 hardware store, 3 livery stables, 1 transfer company, 1 telephone company, 3

many new and valuable ores discovered and brought to light, which assay from \$8 per ton to several hundred. Some of these ores, more especially one known by the local name of "Golden Wonder," are free milling in character, while others will have to be treated by some smelting process peculiar to the character of the ore, which is more or less rebellious or refractory. Several tests have been made with various smelters resulting in different degrees of success, but it is yet to be demonstrated which class of smelter will be best adapted to treat the leading ores.

MOFFATT'S SMELTER.

With this end in view, Col. E. R. Moffatt, known as a former lead king, of Joplin, Mo., is now erecting large smelting plant at Crystal Springs, a few miles west of Bear City, at a cost of \$30,000, which is calculated to overcome all difficulties in smelting any ores found in this mining district. The peculiarity of Moffatt's smelter consists in having all vapors carried through a long flue to an immense chamber hung at the roof

VARIETY OF ORES.

The leading varieties of ores are known as Golden Wonder, Accident, Black Mud, Golden Seal, Mammoth, Lost Louisiana (Spanish lode), Black copper, etc.

"GOLDEN WONDER."

The Golden Wonder is a free-milling ore, being a fine grain novaculite quartz. It is found in layers with an almost slaty structure, blue-black in color and is full of minute seams of calcite at right angles to the planes of stratification, causing it to break up in triangular blocks. It is more easily worked than any other gold ore found here. The average of several hundred assays made by Professors Beam, Bent and Aughey show from \$40 to \$60 to the ton in gold and silver, the proportion of each being about one-half in value. Some of it contains scales of platinum combined with iron and a little antimony in spots. It is called "Golden Wonder" after the first location here where the ores were found. Golden Wonder veins are from 12 to 100 feet in width, and extend over 20 miles of country, which would give an almost inexhaustible supply of this ore.

ACCIDENT ORE.

In coloration this ore resembles golden wonder, not any harder, but without the novaculite and is more of the character of a fine grain quartz. The values in it are mostly silver and lead, with small quantities of gold, ranging from a trace to $\frac{1}{2}$ oz. per ton; the per centage of lead ranging from 5 to 25 per cent. Much of the lead is in the form of wulfenite or molybdenum of lead. Some of the molybdenum contains small quantities of chromien. Many believe the silver contained in it is in the form of chloride of mercury. This species of ore is a native of this State, for so far as is known, such specimens have never before been discovered elsewhere. Assays for silver (where assayers get any value at all) range from \$10 to \$160 to the ton. The veins run from 4 to 150 feet wide.

Some foreign assayers owing to their ignorance of the character of certain Arkansas ores and their inability to analyze or assay have pronounced them valueless, but good results are invariably obtained by reliable and experienced assayers, including the best government experts.

BLACK MUD.

Black Mud consists largely of silicates, carrying oxide of lead and organic matter. The proof consists in heating the dry mud in a glass tube (one end closed) to a degree of redness. Vapors are given off, composed largely of ammonia and cyanogen.

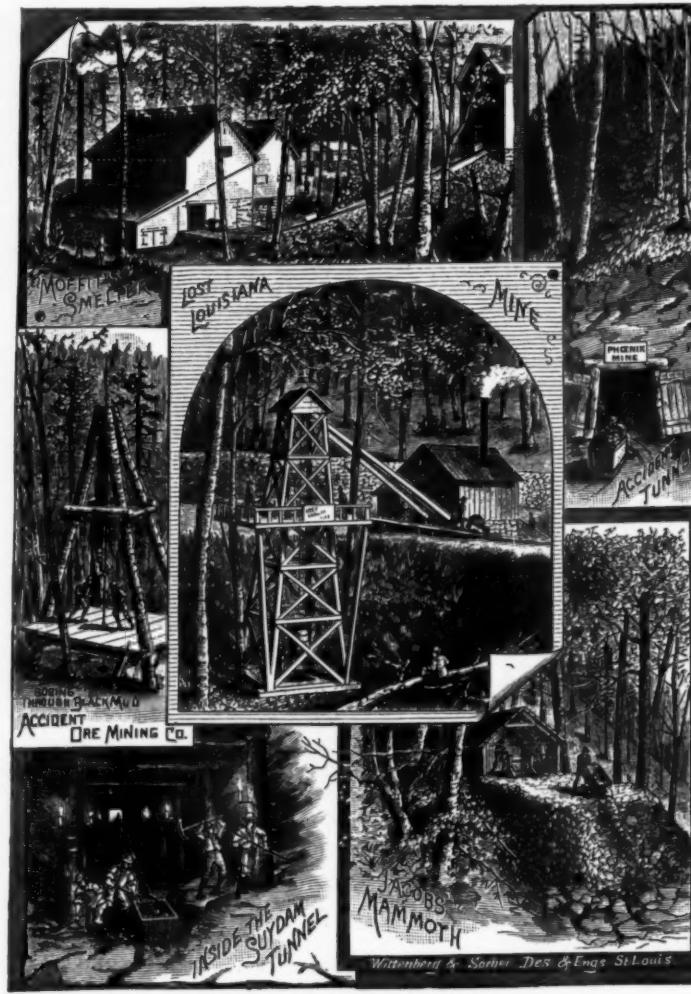
In preparing for smelting this ore must have a preliminary roasting with access of air. Owing to the formation of cyanides in the ordinary process of assaying values are often lost, giving the impression that these ores are barren. Mr. Moffatt, however, in running 3 tons through his smelter at Joplin, Mo., obtained 1,600 pounds of pig lead.

Scientific analyses and assays prove that these ores contain from 20 to 50 per cent. lead. The term "black mud" was given them because they were of that character and color; they are extremely soft and can be formed into round lumps like snowballs. In silver they range from 10 to 40 ounces to the ton.

These black mud veins run through the country in streaks from 10 to 200 feet wide, cropping out at the surface.

RUSTY QUARTZ.

Most of the other ores for which I have given local names come under this heading. They are found in great quantities, some partially decomposed and others comparatively solid. They range in color from yellow to reddish brown and black. Color is given them by oxides and peroxides of iron, oxides and dioxides of manganese and by ferro-manganese. These ores invariably carry gold (if anything) along with more or less silver, but principally gold.



VIEWS AT BEAR CITY, ARKANSAS.

blacksmith shops, 4 saloons and 5 saw mills (within a distance of 2 miles) complete the list of business enterprises other than mining.

MINERAL RESOURCES.

A partial mineral survey of the State of Arkansas was made by Prof. D. D. Owen in 1858, shortly before his death, and developed the fact that the State was rich in coal, lead, silver, iron, manganese and antimony. Prior to two years ago, native silver, galena, gray copper and other rich and well-known ores were the only kinds sought for. Now, more carefully conducted searches have revealed vast quantities of soft lead carbonate ores (familiarly known as black mud), which were formerly overlooked and considered worthless.

It was quite by accident that their real value was discovered by Prof. A. M. Beam, an assayer in the employ of the Bear Mountain Mining Co., who found lead in them, and by repeated tests silver and small quantities of gold were also discovered. Since that time the country surrounding Bear City has been prospected for miles around, and

with woolen bags, where the metallic vapors and carbon from the smoke are condensed and saved. In "cleaning up" the woolen bags are shaken out into immense funnels made of sheet iron, and precipitated to the floor beneath, where they are lighted with a match and the carbon burned out, and the lead melted into small spiral forms, which are then shoveled up and remelted into bars. The smelter was built by Mr. Moffat to be used as a custom mill for all grades of smelting ores, including the black mud. Most of the ores are considered free smelting, but as this seemed to be a matter of doubt to many, capital has been waiting until this shall be proven by the successful operation of this large smelting plant that has cost so much time and pains, not to say considerable money.

But the Lost Louisiana Co., with the energy and push that has characterized it from the organization, being fully satisfied as to what the result will be, have purchased the Moffat smelter and will push it to completion, and probably make a run inside of 30 days.

The assay on these ores range from \$10 to \$60 to the ton, over $\frac{1}{2}$ being gold. Occasionally some types of these ores like the mammoth lode carry lead.

These lodes exist in great numbers and range from 2 to 40 feet in width. Sometimes the various types of ores shade into each other and it is difficult to know how they should be classified.

THE LOST LOUISIANA.

Still another class of ores is known locally as the Lost Louisiana type. The gangue of this type is made up of about 80 per cent. of coarse novaculite quartz in layers, of a brownish and blue black color. The ore bodies of this type are what Von Cotta calls "banded veins;" the bands just described are interstratified with bands of coarse decomposed reddish brown sand rock, and also by thin streaks of red putty-like clay, carrying lead. The gangue also carries from 10 to 14 per cent. of iron and manganese. The lines of stratification and the minute fissures are very often filled with manganese in the form of "wad." There also occurs in these ores minute quantities of alaskite and corongite. Assays on the Lost Louisiana run from \$5 to \$450 to the ton, and an average of a large number gave \$132 in silver and \$20 in gold. A run of 60 pounds in the Electrical Metallurgical Works, of Denver, gave gold \$34, and silver \$14.70 to the ton, while a smelting run of 2 tons at Newport, Ky., gave \$56 per ton in gold and silver.

The first lode of this kind of ore opened in the camp was known as the Lost Louisiana. The shaft was put down in the old works made by the Spaniards 200 years ago, to a depth of 80 feet; at this depth a cross-cut of 220 feet has failed to reach any bounding walls. The appearance at the surface indicates that the ore body is at least 500 feet wide. This particular ore body has been traced to this point for a mile and one half. Other ore bodies of a similar character and size appear elsewhere in this camp, but have not been opened to the same extent as the Lost Louisiana mine.

THE LOST LOUISIANA COMPANY.

The legendary history of the mine of this company is very interesting and romantic. The story runs that at the time Spain ceded this district to France the Louisiana mine was in operation and producing bullion in such quantities as to render the mine the most famous of all the properties operated at the time, and when the mine was at last abandoned by the Spaniards it was so carefully concealed and covered up that diligent search, under the spur of a reward of \$500,000 offered about 50 years ago by New Orleans parties through the medium of the daily papers of that city, failed to reveal its whereabouts, and thus it passed out of existence, except as it lived in the recollection of those who had heard its story in former days.

MODERN HISTORY.

The modern history of the Lost Louisiana mine contains much that is romantic, but nothing of romance. Space will not afford of full details. Suffice it to say that while the story of the Louisiana mine was passing into oblivion in Arkansas it had drifted to the North, and in Nebraska found sufficient credence with 14 venturesome spirits to induce them to send Bill Thompson, one of their number, an old California and Colorado miner, to search for the Eldorado of the Spaniards. He came armed with such descriptions of the property as he was able to obtain, and after many weeks of hardship and fruitless hunting, found himself one evening upon the edge of a most singular hollow that at once attracted his attention. He saw before him upon the side of the mountain a cavity or hollow measuring about 125 in length by 60 to 70 feet in width, and 45 to 50 feet in depth. Beyond and separate from it he found a smaller but somewhat similar depression in the ground, measuring 25x32 feet in size, and separated from the larger one by a wall of rock eight

feet thick. Both were filled with underbrush, and in the larger hollow he discovered four trees planted (we say planted advisedly) in an exact square, each tree different from the others, and two of them the only representatives of their kind within a radius of a mile, being trees whose habitat is the low lands of the marshes and river borders, but here growing upon the mountain side. Here he determined to search for the Lost Louisiana mine, and here he found it. Many months of discouragement were in store for him, during which he was repeatedly ordered home by his colleagues, but he stuck to his post, and by his persistent refusal to abandon the claim finally convinced his associates of the value of his discovery.

In October, 1885, the Lost Louisiana Mining Co. was organized under the laws of Nebraska, with a capital stock of \$5,000,000, in shares of \$10 each, all fully paid and non-assessable. Three million dollars of this stock were distributed among the original 14, who had borne the heat and burden of the day. The remaining \$2,000,000 were set aside as treasury stock.

The Lost Louisiana Mining Co. is officered ably and well by Orson Hager, president; George Buck, vice-president; John D. Fulton, secretary; J. G. Childs, treasurer. Its office is on the corner of Exchange and Court streets, Hot Springs, Ark. The mine, as well as the mill and proposed smelter, are under the personal supervision of Prof. Samuel Aughey, a geologist, mineralogist and metallurgist of over 30 years' experi-



ence, well-known in the mining regions of America. R. M. Luton & Co., No. 102 Court street, Hot Springs, Ark., are handling such portions of the treasury stock as the company has from time to time for sale, and are now offering a limited number of shares at the nominal price of \$2.50 per share.

This company are pushing their developments as fast as possible. A 10-stamp mill, with a capacity for 10 extra stamps is nearly completed, and will be ready for operation by July 1st. The Moffatt smelter bought by them will soon follow. Their tunnels are well tracked, and a fine steam hoisting plant and other equipments have enabled them to start up their mills with over 1,000 tons of ores to work on.

THE OZARK CO.

have 13 claims located $4\frac{1}{2}$ miles north of Bear City, which includes nearly all the leading varieties of ores heretofore described.

THE HARTFORD CO.

has 4 very valuable claims on the outskirts of the town, on which are found the Black Mud, Golden Wonder, Lost Louisiana, Golden Seal and Accident ores in large veins. The company is organized under the laws of Kansas, with its principal office at Wyandot, Kansas. It is one of the strongest and best companies in Bear City.

BEAR MOUNTAIN MINING CO.

with 10 claims located in and around Bear mountain, are said to have all the leading varieties of ore. Its claims are partially developed, and a little push and money would make its property very valuable.

AMERICAN MINING CO. OF ST. LOUIS.

This company, composed of St. Louis parties, own numerous claims near Bear City and at Sand Carbonate, (25 miles northeast of Bear) and have been opening up their claims and have a stamp mill on the way to their mines.

Besides these there are numerous other companies, and also private claims, not owned by companies, being worked by individual parties. Among the latter might be mentioned

REDFIELD CLAIMS, NOS. 1 AND 2, owned by Messrs. Ish & Fischer, of Bear City, and St. Louis and Baltimore parties.

These claims have the largest showing of free-milling ores (Golden Wonder) in the district, croppings being over 1,000 feet in length and from 40 to 70 feet wide. No. 2 claim has a 40-foot shaft, exposing a very large body of Golden Wonder ore.

These claims are located four miles east of Bear City, near the Ouachita river, where splendid water-power is to be had sufficient to run many stamp mills. Messrs. Ish & Fischer will negotiate for the sale of a portion of these valuable claims to the right party with sufficient capital to assist in erecting a first-class plant for milling these ores, found in endless and paying quantities. Assays show from \$18.40 to \$84.30 to the ton. They are free-milling and contain no rebellious qualities.

ASSAYS AND VALUES.

The high assays given to Arkansas ores have caused outsiders to feel very skeptical and to discredit the reported values. Yet the reported values do exist, as numerous test runs, besides repeated assays, have shown.

Some allowance should, of course, be made for assays, which are usually obtained from a sample of select ore; but experienced mining men and experts all declare the country richer than any they have ever seen, and say "it would only need capital and development."

When the few mills now being erected are completed and bullion being run out, all doubt will have vanished and this section of Arkansas will experience an excitement second only to the days of '49.

Unlike most mining countries, Arkansas has a genial climate, with no snow or cold weather to impede work, which can be carried on the whole of the year in the open air.

With railroads almost intersecting the mineral belt and several now surveying to pass through it, capital should investigate (with the assistance of competent and experienced experts) and see for themselves (for "seeing is believing") instead of crediting conflicting rumors which can invariably be traced to parties who have never been on the ground or those who know nothing of mineralogy and mining.

CLARENCE P. DAY.

MINING NOTES.

By T. K. BRUNNER, Raleigh, N. C.

CORUNDUM MINING.

There seems to be a growing demand for corundum. It is largely used, not only as an abrasive, but in the manufacture of many small articles, such as wheels for dentists, &c.

It is also a profitable source of aluminum and is being largely mined with that view. This is the case in Georgia as well as in this State. North Carolina produces many colors and varieties of this mineral. Corundum is rhombohedral, generally with clearly defined cleavage, and is 9th in the scale of hardness, diamond being 10th. Its composition is oxygen 46.8; aluminum 53.2, which shows its value as a source of the latter. In this State may be found blue, gray, red, pink, brown, black, white and other colors or tints of corundum. Only occasionally is a piece

found of sufficient transparency and freedom from flaws to be used for gem purposes.

BUCK CREEK MINE.

The Buck creek mine in Clay county, is one of the most valuable deposits in the State. It was worked last season in a small way. Seventy tons of fine corundum were shipped, and more was taken out. The place was not systematically mined, but excavations were made on the face of the exposed outcrop, and the material shipped was taken from the surface. Plans are being perfected by which the mining will be conducted in a systematic way this summer. Mr. F. J. Menninger, of New York, has gone to Clay county for the purpose of looking after this property. He takes with him a large experience in this branch of mining, and has spent several years in the mountains of this State, devoting his time to the study of economical extraction of these minerals. He says that the outcrop occurs on the side of a hill and that operations this summer will be conducted by means of a tunnel driven into the hill on the ore body, which will develop the vein and afford stoping and sinking ground for as many miners as they care to employ.

This locality has supplied a few specimens of chatoyant crystals—cat's eye—though of pale color and inferior size.

MCDOWELL DIAMOND.

Col. H. C. Demming, of Harrisburg, Pa., kindly forwarded to the writer the diamond found not long since in McDowell county for inspection. He relates the following history of its discovery: "a little boy was playing at a spring on the property of Capt. Bright, about half a mile north-east of Dysortsville. Noticing a sparkling object at the side of the spring he picked it up thinking was a piece of crystal. Being rather pretty he concluded to keep it. It so happened that his father saw it, and he thought that it more than an ordinary stone; whereupon it was shown to several parties in the neighborhood, including a Mr. Galt, who a number of years ago was at the diamond mines of Africa. Mr. Galt offered the father of the boy 5 or 10 cents, for it, and upon the father refusing he immediately offered \$5. The father suspected the stone had more value than he had before believed, and concluded to allow others to see it. It was finally shown to me and I pronounced it a diamond. Having taken steps to secure the property, after looking around the locality where the diamond had been found. I gave the father \$75 to be handed to the lad who picked it up. I am informed that it has been sent to Messrs. Tiffany & Co., of New York, and pronounced by them to be a diamond of considerable value. I have shown it to several experts, including Dr. F. A. Genth, Dr. Leidlich, of Philadelphia; Col. Davidson, Philadelphia diamond dealer; J. A. Smith, Geologist of Colorado, and other experts, and they all agree that it is a pretty fair diamond. He says further: "I have no doubt that numerous diamonds exist in the locality; and I also believe that we will find a large number on the grounds of the Marion Bullion Co. proper, particularly since the place has been visited by one or two diamond experts. In fact, we have found quantities of sand already in which diamonds are plainly discernable through a microscope of low power."

The stone is a dodecahedron, slightly lengthened vertically, and has a pale tint of yellow, approaching citrine, but not so deep. It weighs 4.392 carats, and its specific gravity is approximately, 3.627; both weights were taken in the laboratory of the Department of Agriculture.

Prof. Kunz, the expert mineralogist for Messrs. Tiffany & Co., will be in this State in a few days. He comes to search in certain localities for some rare specimens of mineral, and to become familiar with prominent localities already well known.

If you wish to keep posted on the progress of the South, read the MANUFACTURERS' RECORD. Price \$3.00 a year.

Bristol's Bright Prospects.

[Special correspondence MANUFACTURERS' RECORD.]

BRISTOL, TENN., June 22, 1887.

I have recently visited some thirty-five or forty of the larger deposits of the magnetic iron ore veins, and have found and examined veins that are miles in length and varying from fifteen to two hundred feet wide. I brought several samples home with me, which I handed to Mr. R. C. Cook, of New York, who proposed to send them to Dr. H. A. Mott, of his city, for analysis, and Mr. Cook has kindly handed me a copy of Dr. Mott's investigations. The result shows from 59 per cent. to 65.60 per cent. metallic iron with only traces of phosphorus. These are evidently steel making ores, and from the quantity in sight and the indications as to extent, I do not hesitate to say that in my judgment there is in these veins the greatest amount of magnetic iron ore to be found on this continent. This, together with the enormous quantity of brown manganiferous and red hematite iron and some specular ores, will give Bristol a large advantage over any point in the South for extensive iron and steel manufactories, as we have coal of the best order for coking, which is only 3 per cent. of ash, and, being situated as Bristol is at a great distributing center with all the natural facilities at hand for making good and cheap iron, competition will not affect a manufactory so situated, as one might defy the world to produce better or cheaper iron than can be produced at Bristol with the means at hand. The South Atlantic & Ohio Railroad is now under construction, pushing northward, there to join hands at Big Stone Gap, on the Cumberland mountains, with the Louisville & Nashville Road. This South Atlantic Road as we ride northward from Bristol threads itself through meadows teeming with fertility, across rivers whose powers when utilized would whirl a thousand water-wheels, through unbroken virgin forests waiting for the woodman's axe. On, on the iron horse drives until it strikes great coal fields along the Cumberland mountains, where sleep in mother earth millions of tons of the finest coking coal. Reports have been made from time to time upon these vast beds by experts, such as Prof. Stevenson, of New York, Proctor, of Kentucky, and McCreath, of Pennsylvania, and many others, all agreeing in their analyses as a coal richer in fixed carbon and with less ash and sulphur than the celebrated Connellsville coal of Pennsylvania. These beds lie above water level, are easily mined and worked, and are by far the most extensive and valuable coal beds for making pig iron and steel, as well as for steam purposes, that our country can yet boast of. Fifty miles southwest lies Cranberry, a mine that Birmingham and Chattanooga iron masters seek and draw their ore from to be mixed with their hematites, thus producing a Bessemer ore. Cranberry with its estimated tonnage of thirty millions of ore is but a mole hill as compared with the magnetic veins spoken of in the former part of this letter. This section of country has barely entered upon the threshold of the glorious future that awaits it. The next few years will witness a development of its material interests that will surprise the most sanguine. Capitalists with immense wealth at their command recognizing the existing possibilities and the future that lies in store will readily invest here in railroads, furnaces and mills.

A. A. HOBSON.

Enlarging Hotel.

WILMINGTON, N. C., June 27, 1887.

Editor Manufacturers' Record:

The addition to my hotel is commenced; that is, the foundation; the contract for the upper part has not been given out. The addition is to be 74x150 feet, 5 stories high, including basement. All modern appliances will be used; passenger elevator, &c.

W. A. BRYAN.

Building a Planing Mill.

SANDERSVILLE, GA., June 20, 1887.

Editor Manufacturers' Record:

I have opened a lumber yard and am building a planing mill. I expect to set up a planer and molder, scroll saw and a wood turning lathe, and add other machinery as the business increases. Expect to get to running in about two weeks or the 1st of July. Am putting up building now and some of the machinery is on the ground. Have not bought all that I want yet. Will run a 20 horse-power engine.

S. L. PARSONS.

Will Rebuild Factory.

PARIS, TENN., June 17, 1887.

Editor Manufacturers' Record:

Our cotton gin and heading factory burned on the 10th. Will rebuild factory with increased capacity and be ready for business again in about 60 days.

DOBBINS & PARKER.

COLUMBIA, TENN., June 20, 1887.

Editor Manufacturers' Record:

Messrs. Cason & Seavy, sole owners and proprietors of the Seaton patent spring double and single tree, will soon have a factory in this town in connection with Craig & Wilkins machine shop, for the purpose of manufacturing the spring double and single tree on a large scale.

C.

SYLACAUGA, ALA., June 22, 1887.

Editor Manufacturers' Record:

We have put up brick machinery at this place and have our machine in operation. We have on hand some 60,000 or 70,000 brick. We also operate saw mill near here.

JAMES A. KNIGHT & SON.

Roller Flour Mill.

BOWIE, TEXAS, June 18, 1887.

Editor Manufacturers' Record:

A joint stock company has been formed for the purpose of erecting a roller mill, with a 75 barrel capacity. R. H. Wood, president. Mill will be erected at once.

D. C. ALLEN.

Will Start Fire-Brick Works.

TORONTO, OHIO, June 27, 1887.

Editor Manufacturers' Record:

It is my intention to start fire-brick works at Cleveland, Tenn., as soon as I can settle my business here.

GEO. CARLYLE.

BIRMINGHAM, ALA., June 27, 1887.

Editor Manufacturers' Record:

The Gate City Lumber Co. is now being organized and the plant will be at once put in operation at Gate City. It will not be removed to Decatur.

W. H. BRANNON,

per W.

Enlarging Ice Factory.

MACON, GA., June 25, 1887.

Editor Manufacturers' Record:

We are increasing our works by adding a 15-ton machine. The total outlay for improvement is \$20,000.

CENTRAL CITY ICE CO.

MARLIN, TEXAS, June 22, 1887.

Editor Manufacturers' Record:

\$1,000 has been raised to bore an artesian well at this place. Operations have not commenced yet.

T. C. ALTOFF.

GRIFFIN, GA., June 24, 1887.

Editor Manufacturers' Record:

A large gininery is being erected by M. L. and W. A. Bates in this place.

M. O. BOWDOIN.

Proposals for Water Tower Wanted.

THOMASVILLE, GA., June 24, 1887.

Editor Manufacturers' Record:

We are going to erect a water tower and tank brick tower 70 feet high, with an iron tank 25 by 30 feet on top. After this is completed we will lay water pipes over a portion of our town. We are advertising for bids now on tower and tank.

C. H. WILLIAMS.

Arkansas Mining News.

BEAR, ARK., June 24, 1887.

Editor Manufacturers' Record:

The Kirkwood Mining Co. was organized by F. D. Booth, leading druggist at Bear City, and is composed of pushing young men from Kirkwood, Mo. They secured the services of a Colorado mining expert and were among the first to locate and secure claims. They have some 40 claims, which are now being developed with a view of putting them on the market. Assays made on the above show large values in gold. Mr. C. C. Woods has charge of the development and Mr. F. D. Booth is local manager of the company at Bear City, Ark., to whom all communications should be addressed. There are over 3,000 mining claims recorded in the Bear Mountain mining district and 300 deeds on record. This will give some idea of the vast area of mineral territory around Bear City.

Will Rebuild Glass Works.

ATLANTA, GA., June 24, 1887.

Editor Manufacturers' Record:

We expect to begin rebuilding next Monday morning, and by August 15 expect to be able to put out glassware. The fire was unfortunate, to say the least of it, but we are not downed yet, nor do we expect to be.

ATLANTA GLASS CO.

Saw Mill Rebuilt.

CEDARTOWN, GA., June 25, 1887.

Editor Manufacturers' Record:

Our saw mill was burned a short time ago. We have rebuilt our works and will commence work again to-day.

SIMS & AUCHMUTY.

FORT WORTH, TEXAS, June 20, 1887.

Editor Manufacturers' Record:

The Spanish Moss Manufacturing Co., of Fort Worth, have organized and elected officers for one year.

F. P. MOON, Manager.

Will Start Canning Factory.

NEWTON, N. C., June 21, 1887.

Editor Manufacturers' Record:

A cannery factory will be started soon by Yount & Shrum.

W. B. GAITHER.

Hosiery Factory.

SPRING PARK, FLA., June 16, 1887.

Editor Manufacturers' Record:

Our principal object in coming here was health, but have decided to manufacture hosiery. At present can turn out about 100 dozen men's seamless hose per week, but if we meet with encouragement and success will enlarge and manufacture children's and women's hose in connection with the goods we are now making.

N. BOGIE.

WILLIAMSBURGH, KY., June 21, 1887.

Editor Manufacturers' Record:

This place is in sad need of stave factory, hub and spoke factory and bent wood factory. We have an abundance of the finest hickory, oak and ash and no manufactory to use it. The timber could be bought very low. Fine shipping facilities. Will give information.

GEORGE STRANGE.

A Barrel Factory.

HAWKINSVILLE, GA., June 22, 1887.

Editor Manufacturers' Record:

We have completed our barrel factory for the present, but all the time adding to our capacity, which now is 200 hand-finished barrels a day. Cannot fill our orders.

PARKER, PEACOCK & CO.

Extending Street Railroad.

PARIS, TEXAS, June 20, 1887.

Editor Manufacturers' Record:

We will build three miles of street railroad. It will be extensions of our present system. All material has been bought. The iron is past due. We will have the track down in 30 days after we get the iron.

PARIS RAILWAY CO.

HAGERSTOWN, MD., June 24, 1887.

Editor Manufacturers' Record:

Our old town seems to be awakening out of its lethargy, and we have now a number of enterprises being agitated, but so far a silk ribbon factory is the only one that has taken a business shape, and now is an assured fact, as stock is being freely taken.

M. L. FUNKHOUSER & CO.

BILOXI, MISS., June 20, 1887.

Editor Manufacturers' Record:

I have been getting business shaped up and the lumber, &c., here for my packing house, pier, &c. I have a fine water-front on the gulf of 400 feet by 600 feet deep, besides a fine planting ground of one and a half miles square, on which I am planting oysters, and through which the Louisville & Nashville Railroad to New Orleans runs, and it is what is not usually seen in this country—a palace car train going through an extensive oyster bed. H. W. HITCHCOCK.

GRANBURY, TEXAS, June 21, 1887.

Editor Manufacturers' Record:

We want an enterprising man to put a roller mill in operation at once. We have a three-story stone building, 60 horse-power boiler and 50 horse-power engine, with three run of stone. Only steam mill in the county. Fine grain country, with abundance of water.

BALLARD & MULLINS.

ANNISTON, ALA., June 22, 1887.

Editor Manufacturers' Record:

J. M. Anderson contemplates starting a quilt factory this fall in connection with a mattress factory he already has in successful operation.

W. D. SNOW.

FREDERICK, MD., June 20, 1887.

Editor Manufacturers' Record:

I started a cigar factory on June 1st.

D. O. THOMAS.

Water Works.

MECHANICSTOWN, MD., June 23, 1887.

Editor Manufacturers' Record:

We will build our own works.

MECHANICSTOWN WATER CO.

Ice Machinery Wanted.

PALMA SOLA, FLA., June 20, 1887.

Editor Manufacturers' Record:

The ice factory is to be built by me. Machine not yet selected. I want to correspond with makers of ice machinery.

W. S. WARNER.

To Manufacture Brick.

LAURENS, S. C., June 22, 1887.

Editor Manufacturers' Record:

A company has been organized at this place, with a capital stock of \$5,000 to make brick, with the view to putting up a cotton factory. They will commence work in a short time.

A. H. MARTIN.

CONSTRUCTION DEPARTMENT.

EPUBLISH, every week, a list of every new factory, of whatever kind, projected anywhere in the South; every railroad undertaken, and every mining company organized. This information is always fresh, and, by enabling manufacturers to correspond with the projectors of such enterprises before their supplies of machinery have been purchased, is of great value. Manufacturers will find it to their interest to read this department carefully each week.

ALABAMA.

Anniston.—McCraw & Co. have purchased machinery to manufacture galvanized iron work, &c.

Anniston.—The Second Baptist Church have secured a site for their \$20,000 church, previously reported.

Anniston.—Col. John M. McKleroy will build a costly residence.

Anniston.—It is reported that the Anniston City Land Co. is preparing to build a street railroad.

Anniston.—J. M. Anderson contemplates starting a quilt factory this fall.

Avondale.—The Avondale Stove & Foundry Co. will improve their plant.

Auburn.—The State Agricultural and Mechanical College, reported in this issue as burned, will be rebuilt.

Bessemer.—The East Tennessee, Virginia & Georgia Railroad Co. (office, Knoxville, Tenn.) are making the surveys for a branch railroad from Briarfield to Bessemer. It is to be extended to Mobile, and will be known as the Mobile & Bessemer Railroad.

Bessemer.—Messrs. Gere, Hughes and Sharpley have leased 10 acres of land to start brick works. Have purchased machinery.

Birmingham.—E. Sidel will receive proposals until July 15 for erecting the superstructure of a large building for Josiah Morris.

Birmingham.—James H. Hood, Edgar C. Wingfield, L. M. Wood, James E. Long and J. L. Johnson have incorporated the Woodlawn Land & Improvement Co., capital stock \$50,000.

Birmingham.—H. T. Beggs & Son are repairing their foundry and enlarging their saw and planing mill.

Birmingham.—M. J. Hatcher, of Columbus, Ga., W. D. Hill, C. D. Sisson and J. B. Hill have incorporated the Hatcher Ironware Co., capital stock \$100,000.

Birmingham.—The Birmingham Natural Gas & Fuel Co., previously reported, will sink a well 3,000 feet if gas is not found nearer the surface. If not successful in finding natural gas, the company will build extensive gas works.

Birmingham.—A stock company will be organized to manufacture water gas by the Sloper process.

Birmingham.—The Gate City Lumber Co. write us that they do not contemplate moving their plant to Decatur, as stated last week. Their plant will be located at Gate City.

Decatur.—H. H. McCreary, J. M. McCreary and M. E. Siddons have bought a site to build a planing mill.

Decatur.—The United States Rolling Stock Co., of New York, will, we are informed, move their car works from Urbana, Ohio, to Decatur.

Florence.—G. W. Schwartz has received the contract to erect a cotton compress at \$21,000.

Florence.—H. W. Russell, of Chattanooga, Tenn., contemplate erecting a wood-ware factory.

Florence.—Hugh Bleaky, representing the American Water Work & Guarantee Co., of Pittsburg, Pa., is negotiating for the building of water works.

Fort Payne.—The Fort Payne Land & Improvement Co., capital stock \$5,000,000, has been organized with John Kelly, of Leavenworth, Kans.; S. F. Scott, Kansas City, Mo., John B. Bodie, of Birmingham, and others as directors. The company have secured about 36,000 acres of mineral and other lands at and near Fort Payne which they will develop. Will engage in mining and manufacturing.

Jacksonville.—It is rumored that Fred Fitch has organized a company to build an iron furnace.

Jemison.—F. M. Hunt & Bro. are building a saw mill 2 miles from Jemison.

Jonesboro.—Prevo & Highland have erected a lumber mill.

Mobile.—The Seaboard Manufacturing Co. are building a logging railroad.

Mobile.—The Mobile & Navy Cove Harbor Co., previously reported, will receive bids for 7½ miles of piling.

Mobile.—F. W. King has contracted to build 2 sections of the Mobile & Dauphin Island Railroad, reported last week.

Mobile.—J. Laurendine and W. Hieronymous have received the contract to furnish cross ties for the Mobile & Dauphin Island Railroad, reported last week.

Montgomery.—The capital stock of the Florida & Gulf Land Co., lately reported as organized with W. N. Reeves, of Eufaula, as president, is \$1,500,000.

Montgomery.—Thomas H. Carr will erect a new building for his cracker factory.

Montgomery.—The Hoeve Warrior & Jefferson County Coal Co. have organized with Ignatius Pollak as president, and P. F. H. Hoeve, secretary and treasurer. The company own 3,000 acres of coal lands.

Montgomery.—The Montgomery Advertiser has commenced work on a two-story building, 50x50 feet, and will put in a new press, &c.

Montgomery.—It is stated that work will soon begin on the large brewery previously reported to be erected. S. B. Uhlfelder can give particulars.

Prattville.—Thorn & Goree, of Montgomery, have received the contract to rebuild the Prattville Cotton Factory at \$15,000.

Ragland.—A. G. West, of Cedartown, Ga., has, it is stated, purchased the plant of the Coosa Coal & Coke Co.

Sylacauga.—James A. Knight & Son have lately started a brick yard.

Talladega.—Ransom, Williams & Co. have received the contract to build the State Blind Institution at \$18,520.

Talladega.—The Talladega Land & Improvement Co. are negotiating for the establishment of a nail factory with a daily capacity of 100 kegs.

Talladega.—A company has been incorporated to build the street railroad previously reported. The Talladega Land & Improvement Co. can give information.

Talladega.—A sash, door and blind factory, and an axe handle and spoke factory are reported to be erected. If true, the Talladega Land & Improvement Co. can give particulars.

Talladega.—The Talladega Land & Improvement Co., previously reported, will shortly contract for their iron furnace.

Tuscaloosa.—A steam laundry will be erected at the Tuscaloosa University.

Tuscaloosa.—The Graystone Land Co. has been organized to develop mineral lands. T. N. Hays is president; E. N. C. Snow, secretary, and G. A. Searcy, treasurer.

Tuscaloosa.—H. Blake, representing the American Water Works & Guarantee Co., of Pittsburgh, Pa., is prospecting with a view to building water works.

Tuscaloosa.—A \$100,000 stock company is being organized to build a hotel.

Wetumpka.—W. E. Cole will probably build a lumber mill.

ARKANSAS.

Antimony City.—The United States Antimony Co., of Philadelphia, Pa., contemplate erecting the paint works, lately reported. They also contemplate building other factories.

Fordyce.—Acruman & Pool have added new machinery to their woolen mill.

Fordyce.—A saw mill will probably be erected.

Helena.—It is reported that another compress will probably be erected.

Little Rock.—The Chicago, Kansas & Arkansas Railway Co. has been chartered at Topeka, Kansas, to build three lines of railroad. One is to be built to Little Rock.

Morrillton.—G. W. Griffin and others are organizing a company to develop coal and iron ore lands.

Mount Ida.—T. B. Farmer, W. M. Boyles and S. A. Friend, of Bear, will develop mines.

Pine Bluff.—Samuel Franklin and George Slight have started a machine shop.

FLORIDA.

Daytona.—J. A. Clement & Co. have erected a new saw mill.

Fernandina.—Williams & Swann have sold 25,000 acres of land in Levy county to Chicago parties, who will establish large saw mills, etc.

Jacksonville.—George R. Foster will rebuild his burned building. The loss was \$16,000.

Jacksonville.—The county commissioners are having plans prepared for a new jail.

Jacksonville.—The Park Opera House Co., recently reported as to rebuild their burned opera house, have decided to erect a 3-story building at a cost of about \$25,000. Bids will shortly be invited.

Kissimmee.—Edward Page, Oliver W. Meade, John H. Dawe, Moses Dore, John F. Cogswell and others have incorporated the Central Railway & Steamship Co., to build a railroad from Kissimmee to Punta Rassa, with a branch to some point on the Atlantic coast.

Kissimmee.—The Osceola Sugar Co., lately reported as incorporated, have bought the Rio Grande Sugar Mills & Refinery, at Rio Grande, N. J., and will move them to Florida. Its capacity is about 30 or 35 tons daily. R. E. Rose, of Kissimmee, and Hamilton Disston, of Philadelphia, Pa., are interested in the company.

McClenney.—C. B. McClenney is erecting a gin.

Mt. Dora.—J. Staplebuilder, of Paola, will build a \$30,000 hotel.

Orlando.—F. B. Pickering, representing the Western Electric Light Co., is negotiating for the erection of an electric light plant.

Palatka.—The Jacksonville, Tampa & Key West Railroad Co., (office, Jacksonville,) will build a \$30,000 union depot.

Palatka.—A company is being organized to build a street railroad.

Palma Sola.—W. S. Warner will build the ice factory lately reported. He wants

to correspond with manufacturers of ice machinery.

Sorrento.—Hodges & Clark have received the contract to grade the Alabama, Florida & Atlantic Railroad from Indian Springs to Clay Springs.

Windsor.—The incorporators of the Windsor, Lake Newnan & Prairie Creek Street Car, Canal & Navigation Co., reported last week as chartered, are J. Lawrence Kelley, J. A. Roseborough and G. W. Kelley.

GEORGIA.

Albany.—A company will be chartered to build the street railroad and water-works lately reported. J. G. Stephens can give information.

Albany.—The Taylor Cotton Press Co., of Savannah, have sold one of their compresses to parties who will move it to Albany.

Americus.—W. A. Jeter, of Brunswick, will make a proposition to build water works. He contemplates erecting gas works.

Atlanta.—The Atlanta Glass Co. will rebuild their works, reported last week as burned.

Atlanta.—The Gentlemen's Driving Park Association will build a club house.

Atlanta.—The Spelman Institute, burned last week, will be rebuilt. The loss was \$12,000.

Atlanta.—The Atlanta Talc & Soapstone Mining & Manufacturing Co. have reorganized with C. A. Collier as president; Jacob Haas, vice-president; J. P. Tolleson, secretary, and E. S. McCanless, treasurer. Arrangements are being made to move their talc mill at Atlanta to their mines along the Marietta & North Georgia Railroad. Fifty thousand dollars will be spent in making improvements.

Atlanta.—The Alabama Midland Railroad Co. will be chartered to build a railroad from Montgomery, Ala., to Bainbridge, Ga., 175 miles.

Augusta.—The Augusta Factory (cotton) are putting in new water wheels.

Augusta.—It is proposed to organize a company to build a cotton mill of 30,000 spindles capacity, seven miles from Augusta. W. T. Gary can probably give information.

Augusta.—Bills will be introduced in the legislature at Atlanta to charter the Augusta, Thomasville & Gulf Railroad Co. and the Augusta, Gibson & Sandersville Railroad Co.

Bartow.—W. C. Smith contemplates erecting a soap factory.

Brunswick.—The Baptists will build a church to cost about \$15,000.

Columbus.—James Smith and others will receive bids for building a 10-room schoolhouse until July 10.

Cuthbert.—J. C. Martin will erect an iron front warehouse.

Macon.—The South Macon Baptist Church have purchased a site to build a new church.

Macon.—Jesse W. Starr, of Philadelphia, Pa., reported last week as to build gas works, has, with H. Horne, T. J. Carling and S. Weichselbaum, of Macon, incorporated the Consumers' Gas Light Co., capital stock \$125,000.

Macon.—A Cincinnati (Ohio) party is purchasing machinery to erect a steam laundry.

Macon.—A bill will be introduced in the legislature at Atlanta to incorporate the Central City Water Works Co.

Macon.—The ice machinery, reported last week as to be erected by A. Ellis, of Columbus, and others, is for the Central City Ice Works, who are to increase their daily capacity 15 tons.

Rome.—A large hotel is reported to be built.

Rome.—It is rumored that negotiations are pending for the erection of large works to manufacture bridges, &c. If true, the Rome Land Co. can give information.

Savannah.—The Commercial Guano Co., reported last week, have purchased a site and will build large works at once. Their capital stock will, it is said, be doubled.

Savannah.—The Tybee cotton compress has, it is stated, been sold to New York parties, who will move it to Albany.

Tate.—The Georgia Marble Co., previously reported as to add 24 gangs of saws, have purchased the machinery, also new engine, boilers, &c.

Washington.—A bill will be introduced in the legislature at Atlanta to authorize Washington to issue \$10,000 of bonds to build water works.

KENTUCKY.

Grant's Lick.—Several citizens will bore for natural gas.

Kentucky.—The Louisville, Cincinnati & Virginia Railroad Co., chartered three years ago to build a railroad from Winchester to the Virginia State line, has been organized in New York, with W. D. Hill and E. F. Hunt, of Birmingham, Ala., and others as directors.

Louisville.—L. Richardson, C. C. Richardson and Charles A. Lehmann have chartered the Louisville Lithograph Co., capital stock \$20,000.

Louisville.—B. F. Avery & Sons have bought the large plow works of Meikle & Co.

Louisville.—John H. Wrampelmuer, S. E. Duncan, F. William Vogt, C. George and J. B. Masson have chartered the Louisville Silvering & Beveling Co., capital stock \$4,000. Its object is to manufacture mirrors, bevel plate glass, &c.

Louisville.—The Commercial Club, reported last week as to erect a large building, will incorporate as the Commercial Club Building Co., with a capital stock of \$250,000. They propose to erect an eight or ten-story building to cost about \$225,000.

Ludlow.—Oliver Kinsey, E. V. Cherry and Isaac Kinsey have incorporated the National Electric Headlight Co., capital stock \$650,000. Its object is to manufacture steam engines, electrical apparatus, &c.

Newport.—J. S. Carr, T. D. Carr, W. C. Leeds, W. T. Shera and C. Beckham have incorporated the J. S. Carr Co., capital stock \$25,000, to mine coal.

Newport.—A company has been organized to build a street railroad.

LOUISIANA.

Alexandria.—The Louisiana & Arkansas Railroad Co. have contracted to build their machine shops at Alexandria.

Donaldsonville.—Proposals for building the courthouse, referred to last week, will be received until July 18 by R. T. Hanson.

New Orleans.—William G. Wheeler, William B. Leonard and others have incorporated the New Orleans Art Pottery Co., capital stock \$1,000.

New Orleans.—The Felicity Street Church, recently burned, is to be rebuilt. Williams & Patton are preparing plans.

New Orleans.—The Sterns Fertilizer & Chemical Manufacturing Co. has been reorganized as the Standard Guano & Chemical Manufacturing Co. The capital stock has been increased from \$175,000 to \$200,000. C. M. Soria is president, and John S. Rainey, vice-president.

MARYLAND.

Baltimore.—Philip Walsh & Sons have the contract to erect a 2-story school house on the York road, to cost \$14,000.

Baltimore.—Henry J. Thurmann has received the contract to build 52 houses at Curtis Bay for the South Baltimore Harbor & Improvement Co. They will cost \$45,000.

Baltimore.—James T. Parks, John Mauldin, Matthew P. Hubbard, Robert H. Shipley and James L. Mauldin have incorporated the Parks Guano Co., capital stock \$100,000.

Baltimore.—Clark Y. Davidson and others have incorporated the Farmers & Merchants Land Investment Co., capital stock \$100,000.

Baltimore.—James L. Layfield will receive the contract to erect a school building on South Caroline street, at \$16,687.

Baltimore.—A. Fenneman will erect a 25-horse-power boiler and engine at Ranstead's wharf.

Castleton.—The Greenstone Serpentine Co. have opened a new quarry.

Catonsville.—It is reported that the Catonsville Water Co., chartered last year, will soon begin work on a plant.

Hagerstown.—A company is being formed to start a silk ribbon factory. W. L. Funkhouser can give information.

Knoxville.—H. T. Deaver, I. N. Merchant and others have formed a company to build a creamery.

Towson.—The Maryland Central Railroad Co. (office, Baltimore) will build an iron bridge across the York road. Work has been commenced.

Washington, D. C.—M. E. Bell, supervising architect of the United States treasury, will receive proposals until July 25 for furnishing iron stairs for the new post-office at Baltimore.

MISSISSIPPI.

Aberdeen.—Condon Bros., of Nashville, Tenn., have received the contract to grade the 10½-mile branch of the Kansas City, Memphis & Birmingham Railroad. Armstrong & Co., of Birmingham, Ala., have the contract to furnish ties.

Duck Hill.—The Mississippi Mineral & Mining Co. are testing their clay with a view to starting fire-brick and tile works.

NORTH CAROLINA.

Asheville.—Mr. Collins will erect an ice factory. Has purchased a site.

Asheville.—A planing mill and wood-working factory and a large flouring mill are to be built soon. The mayor can probably give information.

Charlotte.—Hood & Lindy will probably establish an iron foundry.

Elizabeth City.—G. B. Thompson has added some new machinery to his brick yard.

Hamilton.—Mr. Hitch has lately erected a large lumber mill.

Makeleyville.—H. D. Spear will rebuild his saw mill reported last week as burned. The daily capacity will be 20 M feet.

Mount Holly.—A machine shop is being erected.

Pamlico.—Felix Cherry is erecting a grist mill.

Raleigh.—P. M. Wilson, C. M. Hawkins and B. A. German have incorporated the Raleigh Manufacturing Co., capital stock \$6,000, to succeed the Pioneer Manufacturing Co.

Randleman.—It is reported that the Randleman Manufacturing Co. have bought 100 additional looms.

Waynesville.—A furniture factory is reported to be erected. W. T. Lee can probably give information, if correct.

Windsor.—Theodore Ralph, of Edenton, has received the contract to build a courthouse.

SOUTH CAROLINA.

Fort Mill.—The capital stock of the Fort Mill Manufacturing Co., reported last week, is \$160,000. Samuel E. White is president; J. L. Watson, vice-president; John M. Spratt, secretary and treasurer.

Greenville.—Northern parties will furnish \$500,000 to build a large cotton mill with a capacity of 20,000 or 30,000 spindles. A site has been selected. H. P. Hammett will be president of the mills.

Rock Hill.—A two-story building, 24x60 feet, will be erected for the Rock Hill Savings Bank.

Sumter.—The Sumter Cotton Mills are thinking of putting in an electric light plant this fall.

Walterborough.—Fletcher Mims has, it is stated, lately built a saw mill.

Winnboro.—The Wadesboro (N. C.) & Winnboro Railroad Co. will be chartered. G. H. McMaster can give information.

TENNESSEE.

Athens.—It is rumored that negotiations are being made for the building of an iron furnace. If correct, the Athens Mining & Manufacturing Co. can give particulars.

Chattanooga.—J. A. Hodge, of Chattanooga; J. Conyers, of Atlanta, Ga., and George Purk, of Cleveland, are establishing brick works.

Chattanooga.—It is reported that Atlanta (Ga.) parties will build a planing mill. Lindsay & Hoyt can give particulars, if true.

Chattanooga.—C. V. Brown, H. T. Olmstead, Theodore Richmond, T. G. Montague and C. D. Clarke have incorporated the Southern Land Co.

Chattanooga.—The Tennessee River & Waldens Ridge Railway Co. has been incorporated to build a dummy railroad by S. J. A. Frazier, Samuel R. Read, E. M. Dodson, P. D. Sims and John D. Griffiss.

Chattanooga.—Henderson, Walls & Co. have lately started a harness and saddlery manufactory.

Chattanooga.—The Palmer Soap & Chemical Co. is to be reorganized and their factory put in operation.

Chattanooga.—James D. Roberts, Lewis J. Rees, Harry S. Probasco, R. H. Hunt and F. F. Wiehl have incorporated the Standard Marble & Stone Co.

Graysville.—James Green is starting a brick-yard.

Island Mills.—The names of the parties recently reported as leasing and to develop the iron ore mines of Joseph Rader, are James P. Rader, of Bristol, and Robert Deavy.

Johnson City.—The East Tennessee, Virginia & Georgia Railroad Co., (office, Knoxville), will build a new depot.

Johnson City.—M. T. Smith, of Lynchburg, Va., and others, have organized a company to build a large tobacco factory. The capital stock is \$50,000.

Jonesboro.—The Tennessee Coal, Iron & Railroad Co., of South Pittsburg, have conditionally purchased 4,500 acres of mineral lands.

Knoxville.—R. N. Hood and others have chartered a company to bore for natural gas. They will buy machinery and commence work soon.

Lawson.—Reynolds, Boker & Co. are developing the Swadley iron ore mine reported last week.

Memphis.—The Artesian Water Co. have organized with R. C. Granes as president; John Johnson, vice-president and financial manager; John J. Weller, secretary, and N. M. Jones, treasurer. The capital stock is \$1,000,000. The company will shortly commence work.

Memphis.—J. S. McTigue & Co. will receive bids for the grading, bridging and masonry of 20 miles of the Kansas City, Memphis & Birmingham Railroad.

Morristown.—A stock company has been organized to build an ice factory with H. H. Rice as president, and O. F. Hammond, secretary and treasurer. A site has been selected.

Nashville.—Several manufactories will, it is said, be moved from Rockford, Ill., to West Nashville. The Nashville Land Improvement Co. can give information.

Nashville.—O. I. Luce and A. D. Early, of Rockford, Ill.; J. DeWitt, of Newark, N. J., and J. W. Thomas and J. H. Acklen, of Nashville, have incorporated the Luce Manufacturing Co., to operate the plants of the Luce Manufacturing Co., of Rockford, and the De Witt Wire Cloth Co., of Newark, which will be moved to West Nashville and consolidated. The capital stock of the company will be about \$150,000 or \$200,000.

Nashville.—Thomas Parkes, H. R. Walker, E. McIver and others will incorporate the Southern Brass & Machine Works, with a capital stock of about \$150,000.

Nashville.—Two large furniture factories are to be moved from Michigan to West Nashville. The Nashville Land Improvement Co. can give particulars.

Nashville.—Huntley & Babcock, of Utica, N. Y., previously reported as to erect a large factory at West Nashville to manufacture agricultural tools, &c., have, with W. S. Bransford, J. P. W. Brown and O. W. Ewing, chartered the Lewis & Babcock Manufacturing Co., capital stock \$150,000. They will shortly erect buildings and move their plant from Utica.

Nashville.—The McKenzie (Ohio) & Tennessee River Road Co. has been chartered to build a railroad from McKenzie to the Tennessee river.

Nashville.—A. A. Arthur, of Knoxville, W. R. Tuttle, Richard P. Gettys, Martin L. Ross and Charles Semoure have chartered the Knoxville Southern Railroad Co.

Shelbyville.—Patrick Kerwin has received the contract to drill a well for the Shelbyville Oil & Gas Co.

Trenton.—\$40,000 has been subscribed to the Tennessee Central & Alabama Railroad.

TEXAS.

Anderson County.—800 acres of coal lands have been purchased and will be developed.

Austin.—J. S. Drake, of Chicago, Ill.; C. J. Hildreth, of New York; E. D. L. Wicks, of San Antonio, and L. B. Wicks and others, of Austin, have incorporated the Austin Water, Light & Power Co., capital stock \$750,000. Will erect an incandescent electric light plant.

Austin.—The Austin & Northwestern Railroad Co., reported last week as to extend their road from Burnet to Marble Falls, will receive bids for building the extension.

Bonham.—Proposals for building a stone courthouse will be received until August 8 by E. D. McClellan.

Bowie.—A new coal mine has been opened near Bowie.

Brenham.—The Brenham Compress Co. will sink an artesian well.

Burnet.—The Burnet & Lampasas Telegraph Co. will extend their lines to Austin.

Carthage.—A large saw mill is reported to be erected.

Coleman.—A coal mine is being developed by R. L. Duman.

Colorado.—William Martin, John Miller, and Byron Parsons have incorporated the Lone Star Salt Co., capital stock \$200,000.

Corsicana.—Efforts are being made to organize a company to build a street railroad.

Dallas.—The Farmers' Alliance contemplate erecting a large building to be used as a cotton exchange.

Dallas.—The mayor will receive bids for building a school house.

Dallas.—The name of the \$500,000 stock company, previously reported as being formed to build a cotton and woolen mill, is the Dallas Cotton & Woolen Mills. S. D. Blake is president; A. Sanger, vice-president, and O. P. Bowser, secretary and treasurer. Machinery will be purchased soon.

Dallas.—T. E. Eakin will erect an \$8,000 building and M. Schultz a \$5,000 building.

Del Rio.—W. K. Jones will receive bids for building a courthouse until July 14. The cost is to be not less than \$25,000 nor more than \$35,000.

El Paso.—H. W. Major, of Camden, Ark., previously reported as to build an opera house, has let the contract to Charles Fruin at \$38,000.

El Paso.—The Wells Fargo Express Co. will erect a bank building.

Fort Worth.—C. C. Allen, Walter Gresham, W. S. Pendleton, T. C. Vogel, L. A. Pires and others have chartered the Texas Town & Improvement Co., capital stock \$50,000.

Fort Worth.—The Fort Worth & Denver City Railroad Co. will build a roundhouse and repair machine shop along the extension of their road now being built.

Fort Worth.—The Fort Worth & Denver City Railroad Co. have increased their capital stock from \$10,000,000 to \$30,000,000, previously reported.

Fort Worth.—A \$250,000 land company is being organized.

Fort Worth.—Benjamin G. Pratt has erected the soap factory lately reported.

Fort Worth.—The North Side Street Railway Co., capital stock \$100,000, has been chartered by J. P. Smith, N. G. Ellis, N. T. Byers, W. A. Huffman and John D. Templeton.

Galveston.—Frank J. Brown, of St. Louis, and P. J. Willis and C. L. Cleveland, of Galveston, have incorporated the Sour Lake Springs Co., capital stock \$250,000, to establish a town and build a hotel at Sour Lake.

Galveston.—The Galveston City Street Railway Co. contemplate running their cars by electricity.

Granbury.—J. W. Day & Co. have moved their ice factory from Cleburne to Granbury.

Henrietta.—The city council will issue \$5,000 of bonds to sink an artesian well.

Houston.—J. Ziegler & Co., lately reported as to add considerable new machinery to their cotton pickery, want to correspond with manufacturers of cotton cleaning machines.

Jewett.—Iron ore and coal lands are being leased for development.

Longview.—Several saw mills will be built along the Galveston, Sabine & St. Louis Railroad.

Luling.—Otis McGaffey, Sr., Charles McGaffey, Otis McGaffey, Jr., and W. W. Lipscomb have chartered the Luling Lumber Co., capital stock \$20,000.

Marble Falls.—A. R. Johnson, of Burnet, will build water works and wants to purchase the necessary machinery at once.

Paris.—The Paris Street Railway Co. are extending their road about 3 miles. Have purchased materials.

Pittsburg.—The Pittsburg, Baxter Springs & Galveston Railway Co. has been incorporated at Baxter Springs, Kansas, to build a railroad from Pittsburg, Texas, to Baxter. Charles M. Daniels, John M. Cooper and others are directors. The capital stock is \$250,000.

Port Lavaca.—A stock company will be organized to build a wharf to cost about \$200,000. J. M. Bickford can probably give information.

San Antonio.—Richard Woolly, of Cincinnati, Ohio, and others will, it is said, build a hotel and sanatorium and lay out a town near San Antonio.

San Augustine.—R. E. Jacobs, of Shreveport, La., has leased about 25,000 acres of iron ore, coal and limestone lands, and is purchasing machinery to develop them.

Sherman.—The Sherman Electric Light & Power Co. contemplate adding an incandescent plant.

Strawn.—Johnston Bros. are preparing to extensively develop their coal mines and

have purchased a 50 horse-power hoisting engine.

Temple.—An iron foundry will, it is stated, be established soon.

Tyler.—A St. Louis party is negotiating for the building of a street railroad.

Tyler.—The Methodist Episcopal Conference have appointed W. S. Herndon, T. R. Bonner and others a committee to build a \$20,000 church.

Waco.—The Missouri Pacific Railroad Co. (office, St. Louis, Mo.) contemplate building a railroad from Waco to Brenham and one from Waco to Trinity.

Waco.—The Southern Electric Light Co. propose to erect an incandescent plant to cost about \$10,000.

VIRGINIA.

Abingdon.—The capital stock of the Damascus Enterprise Co., reported last week as organized to establish a manufacturing town, is \$500,000.

Abingdon.—Negotiations are being made for the erection of a Brush electric light plant.

Alexandria.—The capital stock of the Virginia Mining Improvement Co. has been increased \$100,000.

Buchanan.—D. L. Cook has bought 300 acres more of mineral lands, which he will develop.

Christianburg.—Walter Resor, of Cincinnati, Ohio, has leased the mineral interest in the land of William Epperly, 12 miles from Christianburg. He will develop.

Collierstown.—W. A. Tribbett will build a new mill.

Danville.—It is rumored that the Richmond & Danville Railroad Co. (office, Richmond) will build a branch road from Danville to Bristol, Tenn.

Danville.—William Thomas has opened a cigar factory.

Dublin.—A. H. Flanagan will prospect for oil.

Marion.—The Marion Land Agency & Improvement Co., previously reported, has been organized, with D. D. Hull as president.

Pocahontas.—Alderson & Cooper are opening mines in the Flat top coal fields and will build coke ovens.

Seven Mile Ford.—John M. Preston, Jr., J. W. Roberts, F. P. McCready and R. P. Baker have formed a stock company to build a canning factory. Have purchased a site.

Tazewell C. H.—The Elkhorn Coal & Coke Co. are reported as building coke ovens on Webb Camp branch. The Shamokin Coal & Coke Co. will erect a saw mill at the same place.

West Point.—A company has been formed to erect an electric light plant. Work will be commenced at once. E. Wilkinson can give information.

Weyer's Cave.—It is reported that T. J. Harmison, Robert Garrett and others, of Baltimore, have bought Weyer's Cave, and will build a large hotel.

WEST VIRGINIA.

Fairmont.—H. S. Sands is making efforts to secure the erection of an electric light plant.

Weston.—A. F. Whelan will receive proposals for building a hospital until August 23. The cost will be about \$20,000.

Wheeling.—F. H. Lange, George W. Eckart, Jr., Albert H. Mabis, Thomas O'Brien and J. P. Rogers have chartered the Wheeling Match Co., capital stock \$30,000. Will probably build a new factory.

Winfield.—A large number of oil wells are reported to be sunk soon. A. Allen can give information.

BURNED.

Auburn, Ala.—The State Agricultural & Mechanical College; loss about \$100,000. Will be rebuilt.

Easton, Md.—The straw board mill of the Talbot County Paper Mill Co.

Elizabethtown, Ky.—The Ashton whisky distillery owned by Sloss, Simon & Co., of Louisville; loss \$8,000.

Frederick, Md.—The grist mill of Charles H. Kehne, 4 miles from Frederick.

Gibraland, La.—The saw, grist and planing mill and cotton ginnery of Job Russell; loss \$4,000.

New Orleans, La.—The cotton ginnery and pickery of Smith & Jamison; loss \$10,000.

Roanoke, Va.—The mattress factory of E. H. Stewart.

Sniff, Ga.—The saw mill of G. P. Wilder. Sumter County, Ga.—The saw and grist mill of J. W. Bailey; loss \$1,500.

Vineland, N. C.—The saw mill of J. J. Frazier, 3 miles from Vineland.

Paint Works.

CENTER POINT, ARK., June 22, 1887.

Editor Manufacturers' Record:

The United States Antimony Company, of Philadelphia, Pa., contemplates the erection of large paint works at Antimony City, for the manufacture of their antimony into antimonial paints. They have large quantities of fine ores, smelters already built, and are now busily engaged in reducing the ores. They propose at an early day to put up several other factories for utilizing the inexhaustible quantities of metal now being mined and reduced. Paint works are decided upon now. It is thought that steel works will be established here.

B. F. KENNEDY.

New Marble Mill.

ATLANTA, GA., June 25, 1885.

Editor Manufacturers' Record:

We have secured contract from Georgia Marble Co., Pickens Co., Ga., for 24 gangs of saws, two 12-foot rubbing beds, one 250 horse-power condensing engine, three 100 horse-power compound boilers, steam pumps, shafting, pulleys, &c., and the entire machinery for the new marble mill which they are going to erect at once.

McCOMBS, TAYLOR & CO.

Additional Machinery.

RACCOON MILLS, GA., June 24, 1887.

Editor Manufacturers' Record:

We have bought 18 cards, 1,900 spindles, 56 looms and other machinery to match, and are now receiving it.

RACCOON MANUFACTURING CO.

A Sugar Manufacturing Company.

KISSIMMEE, FLA., June 22, 1887.

Editor Manufacturers' Record:

Messrs. Hamilton Disston, of Philadelphia, and R. E. Rose, of Kissimmee, are two of the incorporators of the Osceola Sugar Manufacturing Co. JNO. M. BRYAN.

Will Enlarge Electric Light Plant.

GADSDEN, ALA., June 22, 1887.

Editor Manufacturers' Record:

We will enlarge our electric light plant in a short time; 25 lights.

QUEEN CITY ELECTRIC LIGHT CO.

Contracted for Water Works.

VAN BUREN, ARK., June 20, 1887.

Editor Manufacturers' Record:

The contract for water works has been let to the Water & Light Co., of St. Louis, and ready almost to sign contract.

F. M. NEAL.

RICHMOND, VA., June 21, 1887.

Editor Manufacturers' Record:

The Gallego mills have been bought by myself and associates. We do not intend to put in any new machinery this year, but will put everything in first-class running order and be ready for the new wheat crop. It is equipped with 23 pairs French Burr stones, purifiers, &c., &c. C. L. TOON.

BIRMINGHAM, ALA., June 21, 1887.

Editor Manufacturers' Record:

I am erecting a building for Morris & Underwood to cost about \$25,000. Am also building and enlarging gas works, which will cost about \$20,000; also two large brick buildings to cost about \$15,000, besides other smaller jobs.

B. GILREATH.

NEW ORLEANS, LA., June 22, 1887.

Editor Manufacturers' Record:

I have rebuilt my trunk factory. I have just started my men last Monday working.

CRESCENT TRUNK FACTORY.

To Build Street Railroad and Water Works.

ALBANY, GA., June 20, 1887.

Editor Manufacturers' Record:

We are advertising for local act in compliance with the law and will apply for charter to build a street railroad and water works. The company is not yet fully organized.

J. G. STEPHENS.

Building Talc Mill.

JARRETT, N. C., June 24, 1887.

Editor Manufacturers' Record:

The North Carolina Talc & Marble Co. has sold and leased their interest to Messrs. A. Rickard and F. R. Hewitt, of New York City. A. Rickard can be seen at our office, at 104 John street, New York, and F. R. Hewitt at the office at mine. We will build a 5 run of stone mill for talc, and open quarries of blue, pink and black marble, and will be in the market by August 15. Mill is under construction and marble quarries are being opened. F. R. HEWITT.

To Bore for Gas.

KNOXVILLE, TENN., June 27, 1887.

Editor Manufacturers' Record:

Myself and others have formed a company, and intend at an early day to bore for natural gas about 22 miles from this city.

R. N. HOOD.

SUMTER, S. C., June 27, 1887.

Editor Manufacturers' Record:

We are thinking of putting in the electric light this fall, but have not yet decided to do so.

SUMTER COTTON MILLS.

Big Car Works at Decatur.

DECATUR, ALA., June 27, 1887.

Editor Manufacturers' Record:

On Saturday reliable news was received in regard to the removal from Urbana, Ohio, to Decatur, of the United States Rolling Stock Company's immense plant. The matter had been in negotiation for some time, and was definitely settled by cablegram from London on Friday. These immense works, covering acres of land near Urbana, will be at once moved to Decatur. The capacity of the works will be largely increased, and from one thousand to two thousand men will be employed. More cars will be made and repaired here than at any other car works in the United States. The removal here of these works will add not less than 5,000 population to Decatur. All Southern roads will look with great favor on these works, as their location here will enable them to buy all their cars at home. This company has unlimited resources and sells cars to new roads on long time, thus enabling them to equip themselves well at the start. It is rumored to-day that the shops of the L. & N. Railroad are to be removed to Decatur. This has not been announced as a settled fact, but there seems to be but little doubt of its truth. H. S. D.

To Manufacture Furniture and Lumber.

BRIDGEPORT, W. VA., June 26, 1887.

Editor Manufacturers' Record:

The Bridgeport Saw & Planing Mill Co. has been formed for the purpose of building houses, manufacturing furniture and wood materials of all kinds. We will elect our officers on the first day of July.

W. B. STOUT.

KNOXVILLE, MD., June 28, 1887.

Editor Manufacturers' Record:

A creamery company has been formed here with Capt. H. T. Deaver as president; R. M. McDowell, secretary, and Hon. J. M. Miller, treasurer. G. W. NISWANNER.

ALABAMA, it seems, is to have two immense car works. As stated in Judge Kelley's recent letter on that town, a company with a paid up capital of \$1,500,000 will establish in Anniston, in connection with the present car and car-wheel works, a gigantic enterprise to employ 1,600 hands and to turn out everything in the rolling stock line from freight, passenger and palace cars to locomotives. It is now announced that Decatur is also to secure great car works by the removal from Urbana, Ohio, of the extensive plant of the United States Rolling Stock Co. This is not, as some had supposed when the announcement was first made, the same establishment that Anniston has arranged for. While some Northern and foreign capitalists may probably be interested in both concerns, yet the Anniston company, we are informed, "is a separate enterprise and has no connection with the United States Rolling Stock Co., except that Mr. Hegewisch will be connected with both."

Bids Wanted for Building Hospital.

WESTON, W. VA., June 27, 1887.

Editor Manufacturers' Record:

The cost of new hospital is \$20,000. Bids for same will be received up to August 23d, 1887.

A. F. WHELAN.

Will Rebuild Saw Mill.

MAKELEVILLE, N. C., June 27, 1887.

Editor Manufacturers' Record:

I expect to rebuild my saw mill; capacity 20,000 feet per day.

H. D. SPEAR.

FAIRMONT, W. VA., June 28, 1887.

Editor Manufacturers' Record:

Mr. H. S. Sands is making an effort for the erection of an electric light plant in our town, with favorable chances of success. There is also in course of erection a woolen factory at Barnsville, about one mile from this town, which will be completed about October 1, 1887.

N. S. BARNES.

CULLMAN, ALA., June 27, 1887.

Editor Manufacturers' Record:

Work will be pushed by the North Alabama Land & Immigration Co. and different enterprises started, and especially immigration brought to this country from the North and from Europe.

JOHN G. CULLMANN.

TAZEWELL C. H., VA., June 27, 1887.

Editor Manufacturers' Record:

The Clinch Valley Coal & Iron Co. is expected to lay out a town and open coal veins during summer and autumn of 1887.

A. G. & S. D. WAY.

DUTCH TOWN, LA., June 25, 1887.

Editor Manufacturers' Record:

L. Picard is having placed on his Live Oak plantation a 40 horse-power Milburn engine and an 80-saw Milburn gin, and on his Rescue place a Gullet 70-saw gin.

H.

ROCK HILL, S. C., June 27, 1887.

Editor Manufacturers' Record:

We are erecting an iron front, 2-story, 24x60 feet, building. The contractor is A. D. Holler.

ROCK HILL SAVINGS BANK.

J. M. CHERN, Cashier.

If you wish to keep posted on the progress of the South, read the MANUFACTURERS' RECORD. Price \$3.00 a year.

Information about the South.

THE marvelous mineral and timber wealth of the Southern States, their unrivaled capabilities as a manufacturing area, and the astonishing progress they are making in developing their natural resources and in utilizing their facilities for manufacture, are attracting the attention of the whole world. The extent of these resources and advantages is so fully and carefully set forth, and the progress of this development so faithfully chronicled from week to week in the MANUFACTURERS' RECORD, that it is now accepted everywhere as unquestioned authority on Southern affairs, and its statistics and statements are drawn upon by almost every writer or speaker on any Southern topic.

Its weekly issues constitute an authentic history of the industrial progress of the Southern States. It furnishes every week a vast variety of information on Southern affairs that can be gained from no other source. It discusses in its editorial columns and in its correspondence every topic of Southern interest. It presents the resources and development of the South in all their phases. To all who are in any way interested or concerned in the prosperity of the South, or who care to keep posted as to the industrial and commercial progress of that section, the MANUFACTURERS' RECORD is indispensable.

In addition to its wide circulation in all of the 14 Southern States, the MANUFACTURERS' RECORD has a rapidly increasing list of subscribers among Northern and Eastern capitalists and investors who wish to keep informed as to Southern progress.

New manufacturing and mining towns, owners of mineral and timber lands, and all others desiring to reach the notice of capitalists and manufacturers, will find the advertising columns of the MANUFACTURERS' RECORD the most effective medium through which to attain that end.

"THE NEW SOUTH"

PUBLISHED BY THE

Manufacturers' Record Co.
BALTIMORE.

With a view of meeting the demand for a thoroughly reliable book upon the whole South, the MANUFACTURERS' RECORD Co. has just issued a very handsome volume of nearly 500 pages entitled

**THE NEW SOUTH;
Its Resources and Attractions.**

This book is devoted to an exposition of the South. It gives an accurate and comprehensive description of the Southern States, noting each State separately and giving their distinctive features and most salient characteristics; it tells of their resources and attractions, their present condition and vast possibilities; it treats of topography, soil, climate, woods, watercourses and manufactures; it portrays the attractions to the capitalist and those seeking homes in the South; it shows what the South is, what she has already done in the development of her agricultural and industrial interests, and what she is likely to become by reason of her boundless resources in soil, minerals, climate, rainfall, timber, marls and geographical position, and the vast variety of products possible to a wise and varied husbandry, and a grasp of her rich opportunities for manufacture.

It is a work of great value. No similar publication has ever before been issued in this country. It is just what was needed.

No one North or South desiring to be informed of the advantages and resources of the South, of the more than marvellous progress that is being made, and of the wonderful future of this section, can afford to be without this book.

Handsomely Bound in Full Russia, Gilt Edges, \$3.00, including Postage.

Handsomely Bound in Cloth, - \$2.50, including Postage.

New Manufacturing Enterprises at Nashville.

NASHVILLE, TENN., June 22, 1887.

Editor Manufacturers' Record:

The Rankin Manufacturing Co. was started the 1st of last January with a paid-up capital of \$125,000, to manufacture clothing, and have their plant in operation and doing well. The Fourth National Bank increased their capital stock on May 1st from \$600,000 to \$1,250,000. On May 1st the Tennessee Range Manufacturing Co. increased their capital stock from \$20,000 to \$50,000. The H. B. Grubbs Cracker Co., on April 1st, increased their capital stock from \$50,000 to \$100,000.

A charter was registered yesterday for the Lewis & Babcock Manufacturing Co., to be established in the new town of West Nashville with a paid-in capital of about \$150,000. The incorporators are Messrs. Lewis and Babcock, of Utica, N. Y., and W. S. Bradford, J. P. W. Brown and O. Ewing, of Nashville, Tenn. The object of this company is to manufacture hoes, rakes and forks. Their buildings will cover about five or six acres of ground. This is virtually the Huntly & Babcock Hoe Co., of Utica, N. Y. They will, as soon as the buildings are ready, move their entire plant from Utica to this place. It is claimed by some parties, who are familiar with their business, that they can save at least 20 per cent. alone in the cost of the material for their handles in Nashville over Utica.

A charter was registered to-day for the Luce Manufacturing Co., with O. I. Luce and A. D. Earley, of Rockford, Ill.; J. G. DeWitt of Newark, N. J.; J. W. Thomas and J. H. Acklen, of Nashville. Their capital will be from \$150,000 to \$200,000. Buildings will cover five or six acres of ground. This is the Luce Manufacturing Co., of Rockford, Ill., and the DeWitt Wire Cloth Co., of Newark, N. J., consolidated and moved to Nashville, locating in the new town of West Nashville where they will have advantages unsurpassed by any manufacturers in the United States for their business. There will be moved from Rockford, Ill., to West Nashville in the next four or five months at least four or five large manufacturing enterprises. Two large furniture factories will move from Michigan to West Nashville between this and September.

Parties here are negotiating with several large manufacturing enterprises in New England who will perhaps move here.

The Southern Brass & Machine Works will be organized here in a few days with a subscribed capital of \$150,000 to \$200,000. Thos. Parkes, H. R. Walker and E. McIver will be prominently identified with the enterprise.

Most all of our manufacturing enterprises are running on full time and have plenty of orders and declaring good dividends. We expect at least from two to three million dollars to be invested in new manufactures here in the next 12 months. G.

Machinery Wanted.

HOUSTON, TEXAS, June 21, 1887.

Editor Manufacturers' Record:

We are enlarging our business, which will be several gin stands for ginning seed cotton and also machines for cleaning all kinds of low and trashy lint cotton. Would be pleased to correspond with manufacturers of cotton cleaning machinery.

J. ZIEGLER & CO.

Machinery Wanted.

BURNET, TEXAS, June 21, 1887.

Editor Manufacturers' Record:

I will put in water works at the city of Marble Falls to be operated by water power after the town-lot sale on July 12 next. I desire a ram for same, or the most suitable machinery, and would like to correspond with those who would like to furnish me. I want prices at once. A. R. JOHNSON.

To Manufacture Mirrors.

LOUISVILLE, KY., June 25, 1887.

Editor Manufacturers' Record:

We organized a company to manufacture bevel mirrors. Two of the organizers are practical men who understand their business, and seeing this and knowing the great benefit of such a concern to our business, we agreed to start them, and want to see them build up a business in the South. As it is to be run with scarcely any expense we don't see why such a concern can't do well. F. WM. VOGT.

COPY OF ORDINANCE

Passed by the Council of the Town of West Point, Virginia, on the 21st day of April, 1879, and re-enacted and approved on the 22d day of March, 1887.

Be it ordained by the Council of the Town of West Point, Va., that any party or parties investing in property in this town for the purpose of conducting any enterprise, such as manufactures, packing houses, &c., and actually operating the same, they shall be exempt from all corporation taxes upon such property, and all machinery and improvements thereon, for the term of ten years from the purchase of such property.

It is also ordered that the Mayor is hereby instructed to advertise this ordinance in the "MANUFACTURERS' RECORD," a paper published in the City of Baltimore, Md.

E. WILKINSON, Mayor.

**MOON, HOBSON & CONWAY,
REAL ESTATE,**

Bristol, Tenn.

Timber, Coal, Mineral & Farming Lands.
MAGNETIC IRON ORE A SPECIALTY.**Factory for Sale.**

The Sparta, Tenn., factory property, situated 1 1/2 miles from Sparta, on the Calf Killer river, and near a railroad, is for sale. The building is a splendid brick, four stories high, 60 by 100 feet, in good repair; new dam and race, 20 feet waterfall; 140 acres land, good brick dwelling and storehouse, several tenement houses; new machinery for making spokes and handles in the building, all in good running order. House was built for a cotton factory, and has room and water power to run 300 looms and 5,000 spindles. It belongs to the Bon Air Coal, Land & Lumber Co., who are engaged in mining coal, and offer this property at a great bargain. Enquire of SAM'L I. KEITH, president Fourth National Bank, Nashville, or, G. G. DIBRELL,

SPARTA, TENN.

**Cotton Machinery
FOR SALE.**

The Machinery of a 6,000 Spindle Spinning Mill, consisting of Openers, Cards, Railway Heads and Troughs, Drawing Frames, Slubbing Intermediate, Roving, Spinning and Twisting Frames. All in first-class condition. For particulars apply to

PAWTUCKET THREAD CO.

PROVIDENCE, R. I.

For Sale

1 No. 25 Bradley Cushioned Hammer \$225
1 No. 7 Sturtevant Fan with counter-shaft and lot blast pipe, pulleys, &c. \$100
7 Pipe-THREADING Machines (power) \$275
Thread from 1/2 to 2-in. pipe. Can be adjusted with dies to thread bolts same size.

Address,

J. L. ALLNUTT,
CHATTANOOGA, TENN.**For Sale.**

A large vein of Argentiferous Galena Ore, that assays \$50.00 to \$80.00 per ton, Silver, Gold and Lead.

Developed and ready for machinery, with 150 acres of land and fine water power. Ten (10) miles from railroad.

For particulars address

J. W. STEWART,
Box 304, Knoxville, Tenn.**FOR SALE.**

1 second-hand 4 horse power boiler and engine; 1 No. 2 Kissel hand punch, second hand; 1 second-hand 4 ft. stave jointer, for butter tubs; 1 wood frame rip saw, NEW; 1 emery wheel stand, collars on both ends; also, 1 lot 8. arm pulleys. The above for sale cheap, or will trade for 24 inch iron planer. Address ULRICH & ALLISON, Rock Falls, Ill.

**REAL ESTATE IN A
Booming Alabama Town
FOR SALE.**

Three Hundred Choice Business and Residence Lots in the CITY OF ANNISTON.

This property is the best in the city, and having been bought before the boom, will be sold at prices affording investors a rare opportunity to make certain and handsome profits. Address

F. M. HIGHT, Anniston, Ala.

D. W. K. PEACOCK,
Ra Estate Agent,
CARTERSVILLE, GA.

Minerals a Specialty.
Refers to THE HOWARD BANK, Cartersville, Ga.
J. W. RANKIN, Atlanta, Ga.

STEEL RAILS
COMPLETE OUT-
FIT FOR
Logging, Mining and Plantation

RAIL AND TRAM ROADS.
Light Sections Rails and Spikes in stock.

Locomotives, Logging Cars, etc.
NEW AND SECOND HAND.

HUMPHREYS & SAYCE,
OFFICE NO. 1 BROADWAY, N. Y.

WM. E. TANNER,

No. 1415 Main Street, Richmond, Va.
Is prepared to furnish promptly

LIGHT LOCOMOTIVES,
Dummies for Street Railroads,
Pole Railway Locomotives and Cars,
ENGINES, BOILERS, & SAW MILLS.

Also, Freight Cars, of all styles, Railroad Spikes, Fish Plates, Bolts, Car Axles, Car Wheels, Trucks, Links, Pins, and other Car Forgings, Bar Iron, Steel Horse Shoes.

WANTED A FIRST CLASS MANUFACTURER SALES-
MAN to travel in
Mississippi. Must be
of good personal address and well up on plan-
tation machinery, especially engines and boilers.
Address, with reference and salary wanted,
CHAS. M. WILLIAMS, Greenville, Miss.

WANTED.

Situation in the office or on the road with a reliable Fertilizer or other Manufacturing Company, North or South, needing a man of character and experience, familiar with States from Pennsylvania to Louisiana, and having large and valuable acquaintance. Position as Secretary, Correspondent or Solicitor preferred. Address

JAMES G. HOLMES,
119 S. Gay St., Baltimore.**LEDBETTER & CO.
Land and Loan Association.**

INCORPORATED.

Commission Dealers in Lands, Stocks and Bonds.

City and Mineral Property a Specialty.

Capital Stock
\$100,000.

REFERENCES:

First National Bank, Anniston, Ala.
Col. Jno. M. McKelroy, Pres't. Anniston City Land Co.**ANNISTON, ALA.**

CORRESPONDENCE SOLICITED.

Stove Works to be Enlarged.

WHEELING, W. VA., June 25, 1887.
Editor Manufacturers' Record:

Our firm has been in existence for 20 years or more. We think the time has come when its business can be judiciously enlarged. To do this to the best advantage we desire to secure the services of some new men and additional capital. We contemplate raising our capital gradually to \$250,000. Our firm name of Joseph Bell & Co., being well known among those interested in the trade, we change the title but little, and our corporation bears the title of Joseph Bell Stove Co. We anticipate quadrupling our product, and to do this will require to employ about 3 times our present number of hands, which is about 70. Our business will continue to be the manufacture of stoves and ranges. We shall have to materially enlarge our buildings, but as yet the details for this have not been determined upon.

JOSEPH BELL & CO.

Factories to be Erected.

BURNET, TEXAS, June 20, 1887.
Editor Manufacturers' Record:

I have sold my Marble Falls water power to the Farmers' Alliance, 250,000 strong, for \$100,000, and they will begin the erection of factories there at once. There will be a sale of town-lots at Marble Falls City on July 12, 1887.

A. R. JOHNSON.

Will Erect Grist Mill and Ginnery.

CAMILLA, GA., June 23, 1887.
Editor Manufacturers' Record:

I am soon to erect a ginnery and grist mill with a capacity by steam of 250 bushels meal and 30 bales cotton per day. I shall have the latest improved machinery and all conveniences to facilitate business.

W. H. BRIMBERRY, JR.

CHATTANOOGA, TENN., June 24, 1887.
Editor Manufacturers' Record:

We are manufacturing saddlery, harness and collars. Have been in business 8 weeks. We work about 20 men. We make a specialty of fine work. Will do a jobbing business after September 1.

HENDERSON, WALLS & CO.

ABINGDON, VA., June 24, 1887.
Editor Manufacturers' Record:

The Damascus Enterprise Co. has been organized, and the contemplated city will, within the next week, be laid off in lots.

JAS. C. GREENWAY, Pres.

An Artesian Water Company.

MEMPHIS, TENN., June 22, 1887.
Editor Manufacturers' Record:

The capital of the Artesian Water Co. was fixed at \$1,000,000, and \$100,000 was subscribed at once. Work will be commenced within a few days.

R. C. GRAVES, Pres.

Erecting Guano Factory.

OPELKA, ALA., June 23, 1887.
Editor Manufacturers' Record:

The house that I am now constructing is my guano factory, and not an oil mill. The factory is of brick and the largest building in our city. My oil mill has been in operation for several years.

M. T. TRAWICK.

FORT WORTH, TEXAS, June 23, 1887.
Editor Manufacturers' Record:

We have a 6 stall roundhouse and repair shop; will probably enlarge the latter this year. A six stall roundhouse and repair shop will be erected this year on our extension now being built through the Panhandle at a point about 280 miles from here.

FORT WORTH & DENVER CITY R. R. CO.

Developing Coal Mines.

FORT WORTH, TEXAS, June 21, 1887.
Editor Manufacturers' Record:

Johnston Bros., of Strawn, Texas, have just closed a contract with us to furnish them a 50 horse-power hoisting engine for their coal mines. They are now preparing to operate their mines very extensively, and the coal is pronounced by experienced men to be first-class in every respect, and they find a market for every ton they can put out. Our city has just purchased a large block of ground on which to erect a city hall, city market and firemen's hall, all to be under the same roof, and when completed will be one of the finest and largest buildings in the State. They purchased also the Baptist church, and that denomination now intends erecting a \$30,000 church. Mr. John Tierney is about completing a 3-story brick building, 50x100 feet. Mr. W. T. Maddox has just completed a very fine brick building, 25x100 feet, two stories high. The paper mill is still being agitated.

W. A. HUFFMAN IMPLEMENT CO.

ATALLA, ALA., June 22, 1887.
Editor Manufacturers' Record:

The Atalla Iron & Steel Co. was organized here last Saturday, June 18, officered as follows: President, E. Eastman, of Birmingham; vice-president and general manager, B. T. Walshe, of New Orleans; secretary and treasurer, F. J. O'Connell, of Birmingham; directors, E. Eastman, F. J. O'Connell and Fred W. Sloss, of Birmingham; D. W. Hughes and D. J. O'Connell, of Chattanooga; B. T. Walshe, Jacob Born, W. Renaud and Timothy Moroney, of New Orleans. It was determined to proceed at once to the erection of a charcoal furnace. The matter of laying out the town was placed in the hands of L. W. Brown, civil engineer, assistant city surveyor, of New Orleans. His plan for the town has been adopted by the board. Our property joins the present Atalla, and is 806 acres in extent, laying between the present town and Big Wills creek, a large stream of water bounding our property on the South side, thus insuring an abundant supply of water, while our ore lands are but a few miles distant on the Alabama Great Southern Railroad, in the vicinity of Fort Payne. These lands extend some 13 miles, and run in part for miles south of Fort Payne towards Atalla. Our purpose is to encourage all manufacturing enterprises, if located at Atalla, where unusual advantages can be found, and to this end correspondence is invited.

B. T. WALSHE, Vice-Prest. and Gen. Man.

Building Large Tannery.

KNOXVILLE, TENN., June 25, 1887.
Editor Manufacturers' Record:

We are building a 600 hides per week tannery. Will use chestnut oak bark, and make red sole leather for the Eastern market. We have a very fine plant, and the outlook is good. Will start tannery about September 1.

COLE & PRATT.

THE MARKETS.

OFFICE MANUFACTURERS' RECORD, BALTIMORE, June 29, 1887.

There is nothing new in trade of special importance, business generally continuing about the same, with prospects good for an active fall season.

In manufactured iron the market is dull, and prices as last quoted, viz:

Ref. Bar Iron, 2 to 6 $\frac{1}{2}$ to 1.....	2.10@ 2.40c
" " 2 to 4 $\frac{1}{2}$ to 1 $\frac{1}{2}$ to 1.....	2.10@ 2.40c
" " 3 to 2, round and square.....	2.10@ 2.40c
Hoop Iron, 1 $\frac{1}{2}$ wide and upward.....	2.50@ 3 c
Band Iron, from 1 $\frac{1}{2}$ to 6 in. wide.....	2.40@ 3 $\frac{1}{2}$ c
Horseshoe Iron.....	3 @ 3 $\frac{1}{2}$ c
Norway Nail Rods.....	4 $\frac{1}{2}$ @ 5 $\frac{1}{2}$ c
Black Diamond Cast Steel.....	8 $\frac{1}{2}$ @ 10 c
Machining Steel.....	3 @ 4 $\frac{1}{2}$ c
Spring Steel.....	3 $\frac{1}{2}$ @ 4 c
Common Horse Nails.....	8@ 9 c
Railroad Spikes, 5 $\frac{1}{2}$ to 16.....	2.10@ 3 c
Steel Boiler Plate.....	3 $\frac{1}{2}$ @ 4 $\frac{1}{2}$ c
Iron Boiler Plate.....	3 $\frac{1}{2}$ @ 4 c
Boiler Tubes.....	4 $\frac{1}{2}$ off list

Pig iron continues about the same, with no change in prices, though some dealers are looking for a slight decline. We quote as follows:

Baltimore Charcoal Wheel Iron (all Baltimore ore).....	2.80@ 2.80c
Virginia C. B. Charcoal Wheel Iron.....	2.70@ 2.70c
Anthracite, No. 1.....	2.00@ 2.20c
" " 2.....	1.80@ 2.00c
" " 3.....	1.60@ 1.80c
" Mottled and White.....	2.40@ 2.75c
Old Rails.....	2.20@ 2.50c
Old Steel Rails.....	2.20@ 2.50c
No. 1 Wrought Scrap.....	2.20@ 2.50c
Old Car Wheels.....	2.70@ 3.00c

advance prices \$1 per ton. It had previously been selling 50 cts. below other companies. The restriction of output North and South continues. But few of the many furnaces stopped by the coke strike have resumed or are likely to resume soon, and it is settled that the stocks July 1st will be the lowest ever recorded. On the other hand the threatened general strike in the mills prevents buying from that source, and counteracts the effect of scarcity. We quote for cash f. o. b. Cincinnati:

HOT-BLAST FOUNDRY.	
Ohio and Southern Strong Coke No. 1.....	3.00@ 3.50c
" " " " No. 2.....	2.90@ 3.10c
" " " " No. 3.....	2.80@ 3.00c
Ohio Soft Stonecoal, No. 1.....	2.00@ 2.50c
Ohio Soft Stonecoal, No. 2.....	1.90@ 2.00c
Mahoning and Shenango Valley Coke, No. 1.....	2.00@ 2.20c
Hanging Rock Charcoal No. 1.....	2.30@ 2.60c
" " " " No. 2.....	2.20@ 2.50c
Tennessee & Alabama Charcoal No. 1.....	2.00@ 2.20c
" " " " No. 2.....	2.00@ 2.20c

FORGE.	
Strong Neutral Coke.....	2.10@ 2.15c
Mottled " ".....	1.60@ 1.70c
Cold Shortenings.....	1.70@ 1.75c

CAR WHEEL AND MALLEABLE.

Southern Car-Wheel Iron.....	2.50@ 2.60c
Hanging Rock Cold Blast, No. 1.....	2.30@ 2.50c
Hanging Rock Cold Blast, No. 2.....	2.20@ 2.40c
Lake Superior Malleable.....	2.50@ 2.60c

Louisville Iron Market.

Specially reported by G. H. HULL & CO., Commission Merchants for the sale of Hot and Cold Blast Pig Iron.

LOUISVILLE, KY., June 27, 1887.

The market for pig iron has been rather quiet for the last week. Furnaces are holding prices in line with their quotations in our last report. Some furnaces that have made large sales during the last month feel a disposition to ask higher prices, and, on sending inquiries out to several parties who are holding iron, we find that the disposition of all is to hold off, believing that the market would soon be higher. Buyers, however, are not disposed to pay any advance, and are only willing to buy from hand-to-mouth until they are convinced of what the market is going to be. We quote for cash in round lots as below:

PIG IRON.	
Southern Coke, No. 1 Foundry.....	3.00@ 3.20c
" " " 2 $\frac{1}{2}$ ".....	2.90@ 3.00c
" " " 3 $\frac{1}{2}$ ".....	2.90@ 3.10c
" " " 4 ".....	2.80@ 3.00c
Hanging Rock Coke, No. 1 Foundry.....	2.90@ 3.00c
Southern Charcoal, No. 1 Foundry.....	2.10@ 2.20c
Silver Gray, different grades.....	1.70@ 1.80c
Southern Coke, No. 1 Mill, Neutral.....	1.70@ 1.80c
" " " 2 ".....	1.70@ 1.80c
" " " 3 ".....	1.70@ 1.80c
" " " 4 ".....	1.70@ 1.80c
" " " 5 ".....	1.70@ 1.80c
" " " 6 ".....	1.70@ 1.80c
" " " 7 ".....	1.70@ 1.80c
" " " 8 ".....	1.70@ 1.80c
" " " 9 ".....	1.70@ 1.80c
" " " 10 ".....	1.70@ 1.80c
" " " 11 ".....	1.70@ 1.80c
" " " 12 ".....	1.70@ 1.80c
" " " 13 ".....	1.70@ 1.80c
" " " 14 ".....	1.70@ 1.80c
" " " 15 ".....	1.70@ 1.80c
" " " 16 ".....	1.70@ 1.80c
" " " 17 ".....	1.70@ 1.80c
" " " 18 ".....	1.70@ 1.80c
" " " 19 ".....	1.70@ 1.80c
" " " 20 ".....	1.70@ 1.80c
" " " 21 ".....	1.70@ 1.80c
" " " 22 ".....	1.70@ 1.80c
" " " 23 ".....	1.70@ 1.80c
" " " 24 ".....	1.70@ 1.80c
" " " 25 ".....	1.70@ 1.80c
" " " 26 ".....	1.70@ 1.80c
" " " 27 ".....	1.70@ 1.80c
" " " 28 ".....	1.70@ 1.80c
" " " 29 ".....	1.70@ 1.80c
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" " " 84 ".....	1.70@ 1.80c
" " " 85 ".....	1.70@ 1

irons show increasing scarcity. Ohio furnaces stopped by the coke strike have not started to any extent, having refused to pay current prices for coke. Stocks in consequence have run down very low. Southern Nos. 2 and 2½ foundry is scarcely offered at all. Stocks of charcoal iron have reached the lowest point recorded since December, 1884, and show less than half the total of a year ago. Consumption has exceeded production by about 8,000 tons per month for nearly a year. The talk of a strike by the mill workers July 1 influences the market unfavorably. The excitement in speculative circles has not been felt in pig iron. We quote for cash f. o. b. at Chicago:

COKE AND STONE COAL FOUNDRY.

Ohio (Hanging Rock) Softeners No. 1. 21 50@23 50
" Blackland " " 21 50@23 50
" Jackson county " 22 50@23 50
" Lake ore and cinder " 22 00@22 00
Southern Coke, No. 2 21 00@23 50
" No. 3½ 20 50@21 50
" No. 3 20 00@21 50

CHARCOAL FOUNDRY.

Lake Superior 22 50@23 50
Southern 22 50@23 50
Hanging Rock 24 50@25 50

CAR WHEEL AND MALLEABLE.

Lake Superior 22 50@23 50

Standard Southern 24 00@26 50

Hanging Rock, cold blast 27 00@29 00

" " warm blast 23 50@24 50

OLD MATERIALS.

Old Rail, American 24 00@25 00

Old Wheels 20 50@21 50

St. Louis Iron Market.

Specially reported by ROGERS, BROWN & CO., Gay Building, 204 N. 3rd street, St. Louis. W. H. SHIELDS, Manager.

ST. LOUIS, June 27, 1887.

The market is without special activity, but is looking well in all features. Consumption is heavy. Demand is above the average and prices are firm on the range established by purchases the past month. Stocks on hand at furnaces are unprecedentedly small. Missouri charcoal furnaces at last report showed only 639 tons total stocks, less than a week's made. In the South it would take at least five times the stocks on hand to fill orders booked. Some observers of the market think higher prices sure to come before fall. Others believe labor trouble and other causes will hold them down. Some further cable road contracts have been let requiring lots of iron. We quote for cash f. o. b. St. Louis:

HOT-BLAST CHARCOAL.

Missouri 22 00@22 50
Southern 21 00@22 00

COKE AND COAL.

Southern No. 1 21 50@22 00
Southern No. 2 20 50@21 00
Southern No. 3 22 00@24 00

MILL IRONS.

Missouri 20 00@21 00
Southern No. 1 18 50@19 00
Southern No. 2 17 75@18 50

CAR-WHEEL AND MALLEABLE IRON.

Southern 24 00@27 00
Lake Superior 23 00@28 00

MISCELLANEOUS.

Old Rails 22 50@23 00
Old Wheels 20 00@21 00
Connellsville Coke, (Frick's) 20 6 15

Chattanooga Iron Market.

Specially reported by LOW & TUCKER, Brokers and Commission.

CHATTANOOGA, TENN., June 27, 1887.

The pig iron market shows little or no change worth of special notice, and prices may be said to be about on a stand still. It is true that all the furnaces are well sold up on all their best grades, and considerable more could be sold if it was made, but some of the furnaces are holding considerable quantities of inferior iron, for which there appears to be but little demand. The Southern foundries are holding up fully in the quantity they are requiring, which has shown a gradual increase during the present year. We quote No. 1 at \$17 to \$17.50, and No. 2 at \$1 less.

THE South Illustrated, a monthly illustrated journal, published in New Orleans, has entered upon its second year. This publication is devoted to the interests of the South, and especially to immigration and merits liberal support.

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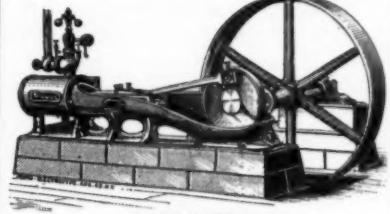
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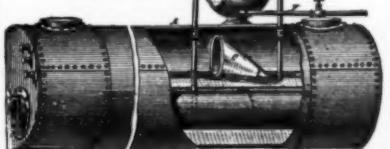
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BURNING.

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S. P. ARRINGTON, Sec. and Treas.

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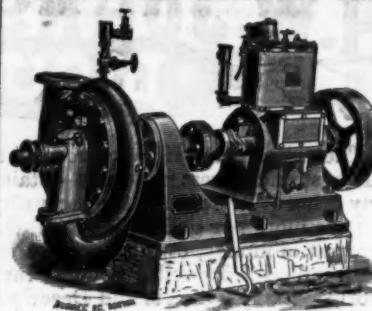
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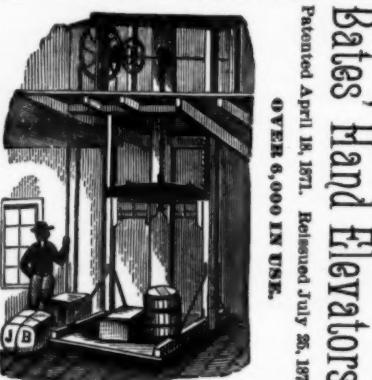
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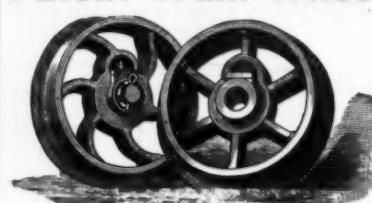


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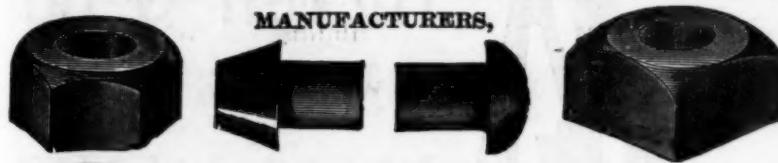
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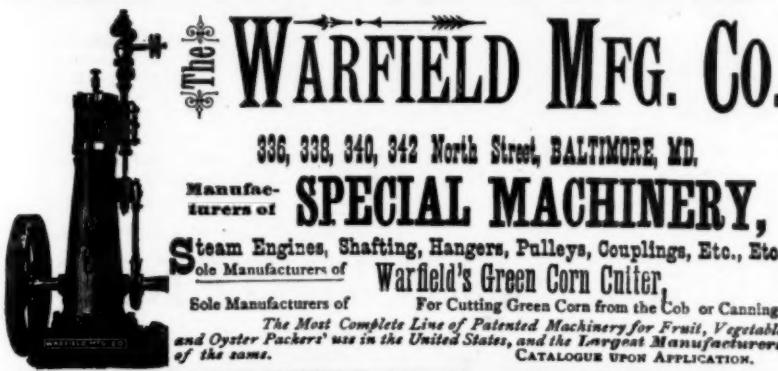
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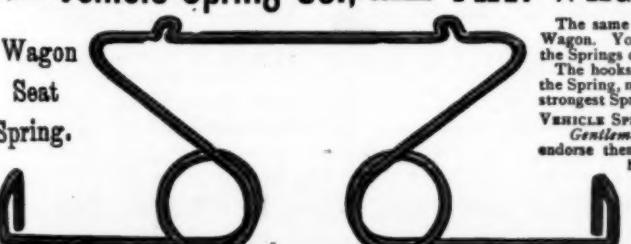
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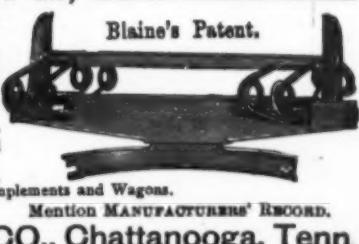
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For grinding Stock Feed and Fine Meal for family use.

Five Points of Superiority Found in Our Mills.

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The Chattanooga Wagon Spring

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VEHICLE SPRING CO., Gentlemen: After having tried your Springs, both Bolster and Seat, we cordially

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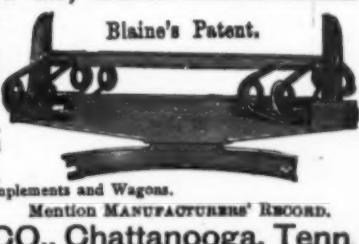
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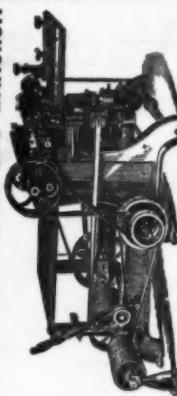
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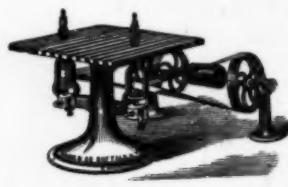
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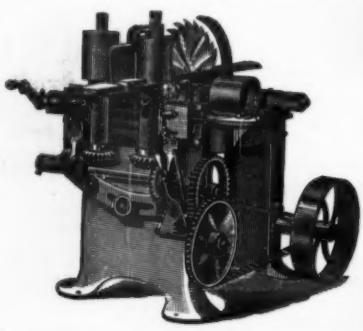
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Outfits for actual workshop business.
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Machines on trial if desired.
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These machines are made a specialty
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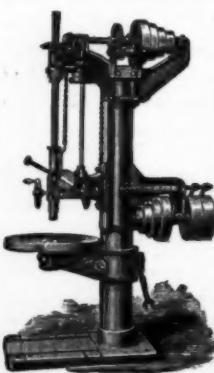
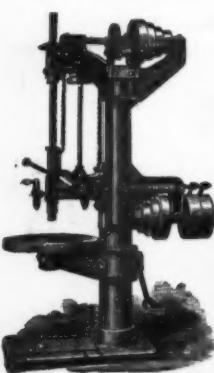
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For Turning Handles and all
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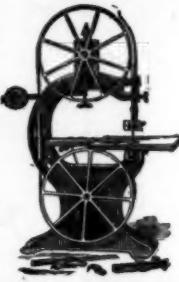
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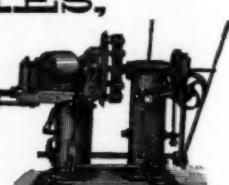
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OF EVERY DESCRIPTION.Planing Mills, Furniture and Chair Factories,
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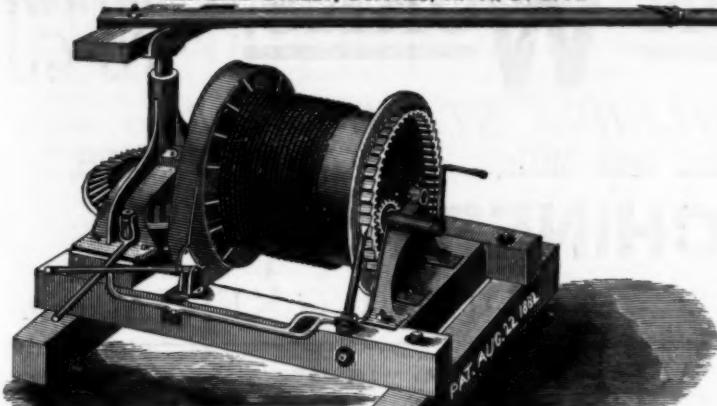
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The Wilkin Pony Gang. No foundation. Capacity 30,000 to 40,000 feet of Flooring per day. The
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The illustration represents a Horse-Power Hoisting Whim. It is designed for mining purposes or raising coal or water out of a shaft. It will raise a bucket or weight weighing seven hundred pounds seventy-five feet per minute. The machine is made entirely of iron and steel excepting the sills, and is not affected by dry or wet climates. The hoisting drum is under complete control of the man at the shaft, landing the bucket by operating the levers at hand, and by which means the drum can be thrown in and out of gear at will when the horse is in motion, or the bucket lowered by the brakes as safely and conveniently as by a steam power hoist. No clutches to throw out or gear. The drum will carry 500 feet or more of $\frac{1}{4}$ steel wire rope. The machine is **SMALL, LIGHT, EASILY HANDLED** and **DURABLE**, sufficiently strong to do the desired work, and so perfectly simple that it can be readily understood by any miner or person inexperienced with machinery. There is a safety attachment on the end of drum in case of an accident, the dog always being in gear when the bucket is being raised. Easily transported; can be made in sections small enough for mule-back transportation if desired.

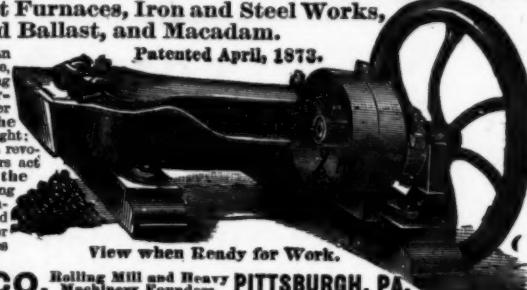
We Also Manufacture Horse-Power Hoist for Railway Contractors, Bridge Builders and Quarrymen.

Correspondence Solicited. Illustrated Catalogue furnished on application. Mention this paper when you write.

FORSTER'S STONE AND IRON ORE BREAKER

VERY SIMPLE AND VERY DURABLE.
For Mining, Blast Furnaces, Iron and Steel Works, Railroad Ballast, and Macadam.

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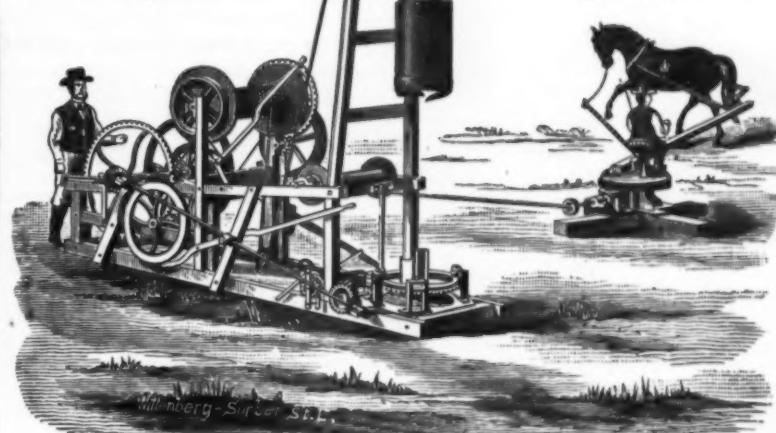


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Heavy Combined Well Boring AND Rock Drilling MACHINE.

Will operate like No. 1, but is intended for deep Artesian Well Boring. Will go to a depth of 600 or 800 feet. A very complete machine, fully described in new Catalogue now being issued.



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strong, durable. Dis-
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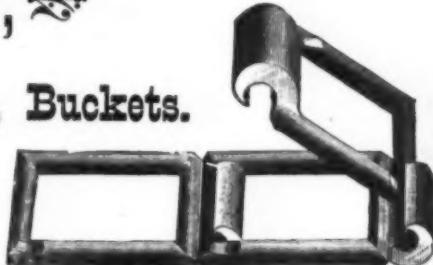
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Send for New Catalogue containing all the latest improvements in Elevators and Conveyors.

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Sheet Brass, Seamless & Brazed Brass ^{AND} **Copper Tubing**

BRASS and COPPER WIRE, and RODS,

Gas and Kerosene Burners and Trimmings. — The Celebrated Leader Burner a Specialty.

ELECTRIC COPPER WIRES, Plain and Covered. Particular Attention given to Cutting Blanks and Metals to Order.

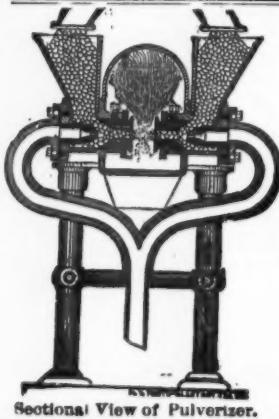
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BUILDERS OF { ENGINES and BOILERS, STAMP MILLS,
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Cotton Presses, Water Wheels, Shafting and General Machinery.

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Sectional View of Pulverizer.

PNEUMATIC PULVERIZER.

The principle of pulverization consists in the employment of

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of dry super-heated steam, so arranged, that they continuously charge themselves with crushed or granulated material, and by the great force and velocity of the steam currents the minerals are dashed against each other with such power of concussion as to cause the hardest ores to be pulverized to any degree of fineness desired. The high temperature of the super-heated steam currents employed, through which every minute particle of ore must pass, causes them to become very hot and dry, which produces a beneficial effect upon Sulphurites and ores containing rusty Gold. The light weight and simplicity of construction of the Pulverizer, the extremely small and inexpensive wearing parts are the WONDER and SURPRISE of all who witness its operation. The Company are prepared to furnish complete plants for pulverizing

10 to 200 Tons Per Day,

including a Sectional Steam Boiler supplying all the power required.

PNEUMATIC PULVERIZER COMPANY,

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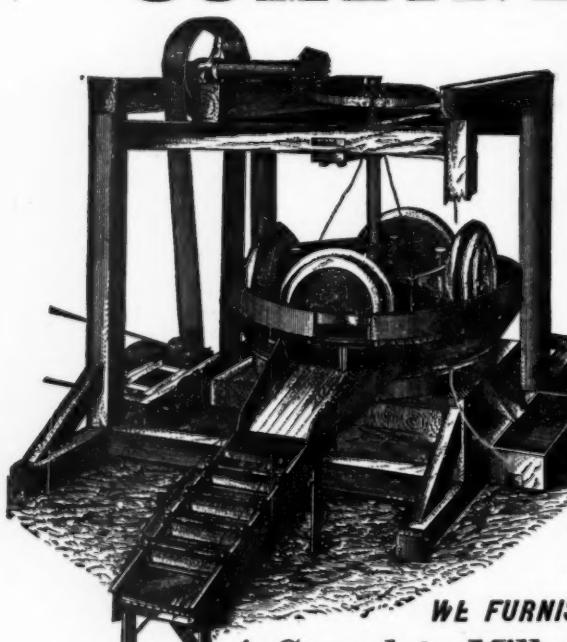
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WRITE FOR PARTICULARS.



WISWELL Ore Pulverizer and Amalgamator COMBINED.



The following testimonial from Mr. Marsden, of the firm of Farrel & Marsden, manufacturers of stone-breakers & ore-crushers, Ansonia, Conn., speaks volumes for the Wiswell Mill:

Wiswell Electric Mining Machinery Co.:

GENTLEMEN: After carefully inspecting your mill and seeing it in operation, I do not hesitate to say that it is one of the best, if not the best pulverizer and most complete gold saving machine I have ever seen.

Please accept congratulations for your success.

S. L. MARSDEN.

WE FURNISH
A Complete Mill for \$2,500.

DELIVERED ON BOARD CARS.

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Electric Mining Machinery Company,

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4 Post-Office Square, Boston, Mass.

TO READERS OF ADVERTISEMENTS.

Readers of the MANUFACTURERS' RECORD who order any goods herein advertised, or ask for information concerning them, will oblige the publishers by stating that they saw the announcement in the columns of this paper.

M. C. BULLOCK MFG. Co.

MANUFACTURERS OF

Diamond Pointed Rock Drills,
STEAM ENGINES and BOILERS,

Lane's Patent Band Friction Hoisting Machinery,

FOR MINES, BLAST FURNACES, DOCKS, ETC.

STRAIGHT LINE ENGINES.

Address,

GENERAL OFFICE: 128 Jackson St., Phenix Building, Lake and Tallman Av., CHICAGO, U. S. A.

The Little Giant Excavator.

—A LONG FELT WANT SUPPLIED.—

For DITCHING, EXCAVATING

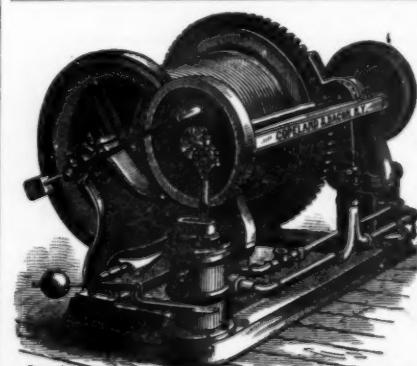
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50 TO 100 PER CENT. SAVED
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Capacity of Machine 500 to 700 cubic yards per day. Self propelling. Easily moved. Being built entirely of steel, is both strong, light and a very substantial machine. Can be used on flat-boat for dredging ditches, irrigating or digging canals. Contractors and railroads promptly furnished with estimates for excavators of every description

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BACON Winding Engines
Furnace Hoists
Mine Hoists.

(With or Without Boilers.)

"Mining PLANTS," Concentrating Works and Dredging Machinery Furnished Complete.

COPELAND & BACON,

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309 Arch Street, PHILADELPHIA.

REFERENCES:—Croton Magnetic Iron Mines, Brewster's, N. Y. Crown Point Iron Co., Crown Point, N. Y. Belvidere Iron Co., 58 Broadway, New York. Sea Island Chemical Co., Beaufort, S. C.

TRADE NOTES.

MESSRS. COPELAND & BACON, of New York, write us: "Recognizing the fact that Philadelphia is unsurpassed as a center of railroad and mining companies, we will open on or about the 1st of July a store and office at 309 Arch street in that city, where we shall be pleased to have our friends inspect a well-selected stock of hoisting machinery, including among other things our double cylinder horizontal hoisting engine, which in workmanship and details is superior to any hoisting engine now in the market. This engine is made with link motion, friction drum, or both combined, single or double drum, to be of any length and diameter, to suit every style of hoisting. Our representative in Philadelphia, following the long established custom of our house, will be pleased to visit any party who contemplates purchasing hoisting machinery, and offer suggestions regarding the best arrangement of machinery for the work to be accomplished. The opening of a branch so near the home office is a step that has been long considered, but, we believe, the citizens of Philadelphia will see that we never have cause to regret our decision."

MR. WM. T. MALSTER, president of the Columbian Iron Works & Dry Dock Co., Locust Point, has contracted with Geo. F. Patterson, of 217 East Fayette street, Baltimore, to install an incandescent electric light plant, Sawyer-Man system. The lights are to be distributed throughout the works, boiler, blacksmith, machine and pattern shops, foundry, drawing-room and offices. The installation is to be commenced immediately and pushed to completion. It is the intention of Mr. Malster to start shortly a full set of hands to work all night on the United States steel cruiser and the two large steel ferry-boats for the Staten Island & Rapid Transit Railroad Co. that are now being built at these works. This electric light plant will make the fifth one that Mr. Patterson has installed in this city.

ON April 18th the Committee on Fire Department of the Board of Aldermen, after receiving proposals from several manufacturers of steam fire engines, decided to purchase a No. 4 Silsby engine of the Silsby Manufacturing Co., of Seneca Falls, N. Y. This is the fourth Silsby engine purchased for the Wilmington Fire Department, and the result of Tuesday's trial demonstrated the superiority of this style of engine and the excellent judgment displayed by our fire committee in their purchase. In July, 1886, the city purchased the steamer "Atlantic," a No. 3 Silsby engine, for Wilmington S. F. E. Co. No. 1, and at the time it was delivered was thought to be as near perfect as a fire engine could be made; but the new engine—the "Cape Fear" has several valuable improvements over the "Atlantic," which is an evidence of the progressiveness of the Silsby Company.—Wilmington, N. C., Star.

THE Kirkwood Mining Co., of Bear City, Ark., composed of several St. Louis gentlemen of large mining experience, have 40 claims, embracing nearly all the different grades and varieties of ore found around this camp; are about reorganizing on a large scale and to put in the latest machinery. Dr. M. L. Gerould, of Kirkwood, Mo., and F. D. Booth and C. C. Woods, of Bear, are managing the company's affairs, and promise much developing. Assays made from their ores have been unusually rich.

THE roller chain belting manufactured by the Roller Chain Belting Co., of Columbus, Ohio, can now be had of J. N. Rogers & Co., 107 Liberty street, New York, and R. Swormstedt & Co., Baltimore, Md. Both of these firms will carry a full line of the various chains manufactured by this company.

THAT Buffalo is growing and her industrial interests expanding is shown by many recent purchases of land at Black Rock for manufacturing and building purposes. Among the transfers recorded to-day is the purchase by Edward G. Felthousen of 24½ acres on the Military road, inside and adjoining the Central Belt Line, for \$43,000; and the purchase by Emory P. Close and Edward G. Felthousen of 7½ acres, adjoining the above tract, for \$12,000. This tract will be immediately divided up into building lots, upon which houses for Volker & Felthousen's operatives will be constructed. The Volker & Felthousen Manufacturing Co. will soon begin the construction of a large factory adjoining the belt line tracks, and, as soon as completed, will remove from their present location on Church street. They intend to increase their manufacturing capacity, and will add to their former pump business the manufacture of high duty duplex water works pumps, furnishing employment to about 200 men.—Commercial Advertiser, Buffalo, N. Y.

MR. J. W. STEWART, box 304, Knoxville, Tenn., writes us as follows: 'The mine referred to in advertisement of this date is in Watauga county, N. C., 10 miles from the now famous Cranberry iron mines, on one of the tributaries to and near the Watauga river and two miles of the survey of the Watauga River Railroad. The developments of this mine consist of cuts and shafts 50 to 107 feet deep. The vein is a true fissure, five to seven feet thick, a chloritic schist or soft slate. Its walls are granite and hornblende. The ore is an argenteriferous galena, easily reduced, and none smelts better. It contains its own flux, and by many assays and tests was shown to contain: gold, \$4 to \$16, silver \$12 to \$50, lead 300 to 1,200 pounds per ton. There is a great quantity of this ore in sight. The mine is at the extreme west end of the 150-acre tract of land, and runs east and parallel to and with the Blue Ridge mountains. The land is covered with a dense forest of the best timber, and a fine water-power at the mine for an immense amount of machinery. Not a dollar is required for artificial drainage. The altitude is nearly 4,000 feet. A grander, more beautiful and healthy climate does not exist. All the facilities for cheap and successful mining are found here. Those wishing to invest in such property should not fail to see and investigate the Flannery mine. While this is the first and only effort ever made in this section for silver, yet no one need be surprised in a short time to see it the Southern Leadville.'

THE clays all around Tuscaloosa, Ala., are especially adapted to brick making. The public buildings, of which there are so many about the place, have been built of brick made at Tuscaloosa. A large brick-making establishment recently established there (the Tuscaloosa Brick and Tile Company), are making a beautiful pressed brick which they are shipping in large quantities to Bessemer, Birmingham, and other points on the A. G. S. R. R. So fine is the clay that this company is making arrangements to manufacture an oiled pressed brick for fine facing work. In addition to this fine material for common brick, immediately adjacent to the town, and on the railroad, are large deposits of a superior quality of fire-clay, finely adapted to the manufacture of coke-oven brick, drain tile, sewer-pipe and jug ware. It has been already largely used for the last-named purpose. The common brick material overlays in many localities the fire-clay, so that both materials would be upon the same ground, and no labor lost in handling either. These facts, in view of the enormously increasing demand for coke in the State, which will necessitate the immediate erection of thousands of coke ovens, are of great importance. The demand for brick of all sorts is already very great, and far in excess of the supply, and profits calculated

on the cost of making brick at Tuscaloosa are very large. The Tuscaloosa Coal, Iron & Land Company has, immediately upon the railroad, large bodies of this clay land, and is prepared to make favorable arrangements with parties meaning business in this connection.

Literary Notes.

SCRIBNER'S MAGAZINE for July contains: Bonaparte, frontispiece, from a miniature by Frederic Millet, presented by Napoleon to Marshal Soult. The Physical Proportions of the Typical Man, by D. A. Sargent, M. D., with illustrations from photographs and diagrams furnished by the author. A Collection of Unpublished Letters of Thackeray, IV, with a reproduction of a letter and drawings. The Return to Nature, by Edith M. Thomas. Some Illustrations of Napoleon and his Times, II, by John C. Ropes, with illustrations from the author's collection. Jemimy Bascom, by Philip Henry. The Common Chord, by Ellen Burroughs. A Girl's Life Eighty Years Ago, selections from the letters of Eliza Southgate Bowne, I, illustrated with portraits and contemporary prints. On an Old Road, by Charles Edwin Markham. A Great Patience by Edward Ireneus Stevenson. Seth's Brother's Wife, chapters XXIV-XXV, by Harold Frederic. Silent Sorrow, by Louise Chandler Moulton. French Traits—The Social Instinct, by W. C. Brownell. The Owl, by Charles Lotin Hildreth. A Perilous Incognito, Part I, by H. H. Boyesen.

W. S. KELLEY, cotton mill expert and engineer, Lowell, Mass., has published an interesting pamphlet entitled "The Standard Yarn Tables, with a Treatise on Cotton Preparation and Elements of Strength in Cotton Yarns."

"Have You Heard of it?"

What's that! Solid trains between Cincinnati and St. Louis over the C. H. & D. R. R. and Vandalia Line. Commencing Sunday night, June 19th, the C. H. & D. and Vandalia will establish their through passenger line between Cincinnati and St. Louis and will put on solid trains, made up of elegant parlor chair cars on day trains and pullman drawing room and sleeping cars on night trains. The morning trains out of Cincinnati will leave C. H. & D. depot, Fifth and Hoadly streets, at 7:45 A. M. daily, except Sunday. The evening train will leave at 7:00 P. M. and will run daily. The purchasing of the Vandalia Line by the C. H. & D. Co. now gives them the best line between Cincinnati and St. Louis as the track is first-class and their equipment un-qualified. Quick time, comfort and safety is what the traveling public want, and with this new line established no opposition line can secure the business against them.

Important.

When visiting New York city, save baggage express and carriage hire, and stop at the Grand Union Hotel, opposite Grand Central Depot.

600 handsomely furnished rooms at \$1 and upwards per day. European plan. Elevators and all modern conveniences.

Restaurants supplied with the best. Horse cars, stages and elevated railroads to all depots. You can live better for less money at the Grand Union Hotel than any other first-class hotel in the city.

TOURISTS will find the American House, Boston, a most convenient point from which to visit places of interest. It contains a large number of suites of rooms particularly adapted to families traveling.

THE BEST.—First-class accommodations at Palace Hotel, Cincinnati, \$2 and \$2.50 per day. Elegant rooms, fine table and all conveniences.

DIXON'S ARTISTS' PENCILS are without equal for draughtsmen and engineers. If your stationer does not keep them mention this paper and send 16 cents for samples worth double the money to Jos. Dixon Crucible Co., Jersey City, N. J.

List of Patents.

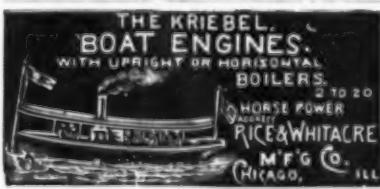
The following Patents were granted to citizens of the Southern States, bearing date June 21, 1887. Reported expressly for this paper by Louis Bagger & Co., Mechanical Experts and Solicitors of Patents, Washington, D. C.

Adler, A. S., Baltimore, Md. Shoemaker's measure	365,921
Battelle, J. G., Covington, Ky. Joint for sheet metal	365,942
Belches, Richard, Haymarket, Va. Fire escape	365,930
Cooper, Isaac, Fort Worth, Texas. Stomach bitters	365,942
Dunn, J. H., Quinemont, W. Va. Car-coupling	365,972
Fairbanks, H. W., Atlanta, Ga. Dust trunk cleaner for cotton openers	365,975
Geiger, F. C., Wood county, W. Va. Double shovel plow	365,952
Gillingham, H. R., Baltimore, Md. Packing can	365,064
Haverling, J. L., Memphis Tenn. Die for cutting stencil plates	365,066
Hanlen, T. J., Macon, Ga. Construction of vessels	365,180
Hurt, Joel, Atlanta, Ga. Thermal valve	365,952
Hutchins, C. N., Dupree, Texas. Cotton cultivator	365,073
Jones, F. C., Ouachita Parish, La. Station indicator	365,184
Knox, T. A., Carrollton, Ky. Shaft support	365,310
Levering, F. W., Baltimore, Md. Mirror	365,964
Lockfaw, J. A., Wilmington, N. C. Rice mill	365,191
Mann, W. B., Baltimore, Md. Vulcanizing apparatus	365,083
McWhorter, J. K., Salem, Va. Washing compound	365,269
Pecht, Charles, Boston, Texas. Nut shell cutting machine	365,198
Selden, Charles, Baltimore, Md. Automatic telegraphy	366,103
Smith, W. R., Bandera, Texas, (and A. L. Washburn, New York, N. Y.) Coin operative electrical weighing scale	365,353
Stonestreet, G. D., Birmingham, Ala. Ore concentrator	365,279
Tillman, D. E., Atlanta, Ga. Umbrella support	365,928
Trabue, William and I. H., Louisville, Ky. Planting hoe	365,108
Whitehurst, R. W., Norfolk, Va. Plow	365,252
Williams, R. E., Dallas, Texas. Keflector for lamps	365,915
Wilson, M. M., Honey Grove, Texas. Spark arrester for smoke stacks	365,114
Wolf, Frederick, Newport, Ky. Packing apparatus	365,917

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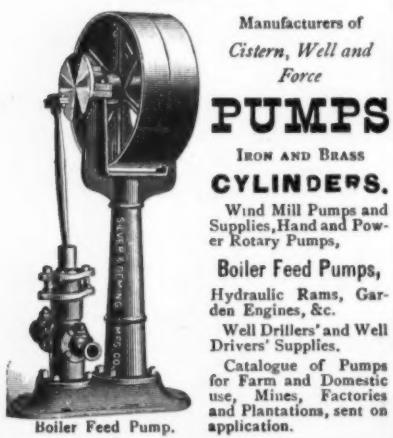


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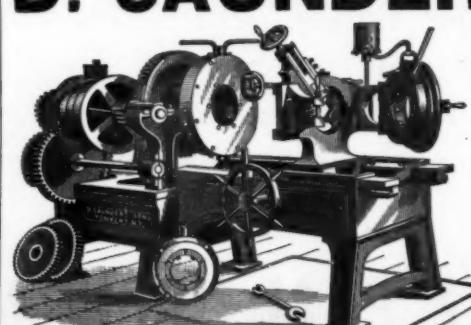
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Douglas Mig. Co.	1 No. 1, 60c to 5%
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Patent Solid Head	dis 45c
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Ives' Jennings' Bits	dis 40c to 10%
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Expansive Bits, Ives'	dis 45c
Expansive Bits, Blake's	100 and 130c, dis 45c
Hollow Augers, Ives'	dis 25c
Hollow Augers, Douglas'	dis 25c to 10%
Hol. Aug., Bonney's Adjust., 100c to 248c, dis 40c	dis 40c
Hol. Aug., Stearns' Adjust., 100c to 248c, dis 40c to 10%	dis 40c
Hol. Aug., Ives' Expansive, each 54c to 100c to 10%	dis 40c
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Cow, Western, Sargent's List	dis 70c to 10%
Cow, Kentucky, Sargent's List	dis 70c to 10%
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Carriage Bolts, Clarke's	dis 70c to 10%
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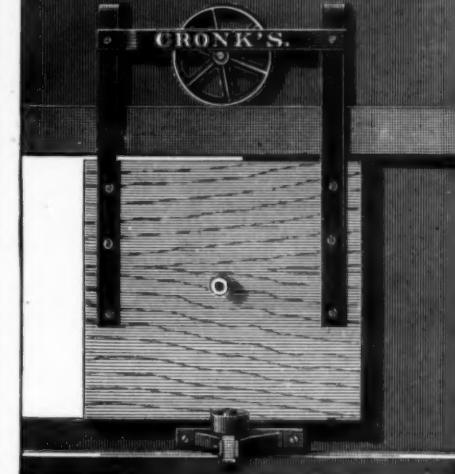
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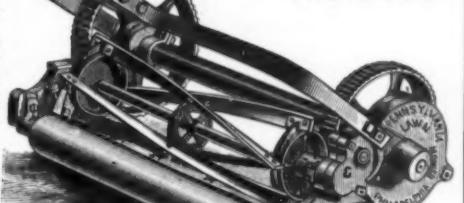
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Dividers.	dis 70&10 x
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Iron, Steel Points.	-\$ 2 3/4 c
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Pinching Irons.	-\$ 20 \$7.50, dis 10 x
CURRY COMBS.	
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Hotchkiss, Novelty, new list, July, 1880.	dis 25 x
Hotchkiss, Excelsior Superior Champion.	dis 25 x
Lawrence, "Perfect".	dis 25&10 x
Rubber.	-\$ 20 \$10.00, dis 25 x
Sweet & Clarke.	dis 50&10 x
Lusters.	dis 25 x
CURTAIN PINS.	
Silvered Glass.	net
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Association (Table).	net
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Excelsior Knife Co.	net
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Amer's Shoe Knives.	dis 20 x
Wm. Rogers Mfg. Co., Plated Cutlery.	Net
DOG COLLARS.	
Embossed Gilt.	dis 30 x
Leather.	dis 40 x
Brass.	dis 40 x
DOOR SPRINGS.	
Torreys Rod, regular size.	-\$ 20
Gem (Coil): List, April 19, 1886.	dis 10 x
Standard—10 dos \$1.25; 9 dos \$1.75.	dis 60&10 x
8 dos 2.50; 6 dos \$3.50.	dis 60&10 x
Hercules.	dis 50&10 x
DRAWING KNIVES.	
Middlesex Mfg. Co.	dis 75 x
Crossman's No. 1.	dis 65&10 x
Nobles Mfg. Co.	dis 15 x
Bradley's.	dis 35 x
Adjustable Handle.	dis 50 x
P. S. & W.	dis 75 x
Douglas.	dis 75 x
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Breast, Wilson's.	dis 30 x
Breast, Millers Falls.	each, \$3.00, dis 25 x
Breast, Bartholomew's.	each, \$1.50, dis 25&10 x
Wilson's Drill Stocks.	dis 10 x
Automatic Boring Tools.	-\$ 83 each
Manne's Drill Mfg. Co.—	
Model Bench Drill.	-\$ 10.00, dis 50 x
XXX Post Drill.	-\$ 8.00, dis 50 x
EGG BEATERS.	
Dover.	-\$ 20 \$0.50, dis 25 x
Acme.	gross, \$9.00
Victoria.	gross, \$10.00
EMERY AND EMERY PAPER.	
Regular numbers.	-\$ 1.00
Flour and F. F.	-\$ 1.40
B. & A. Emery Paper.	dis 20 x
ENAMELED AND TINNED WARE.	
Kettles.	dis 30&10 x
Sauce Pans.	dis 30&10 x
Tinned Sauce Pans.	dis 30&10 x
Escutcheon Pines—Brass.	dis 50 x
ESCUTCHEONS.	
Door Lock.	Same discounts as Door Locks
Brass Thread.	dis 60 x
Wood.	dis 25 x
FAUCETS.	
Fenn's.	dis 40 x
Fenn's Cork Stop.	dis 33 1/2 x
Star.	dis 60 x
Frary's Patent Petroleum.	dis 40 x
West's Patent Key.	dis 50 x
Anchor Lock.	dis 45 x
Metallic Key, Leather Lined.	dis 55&10 x
Cork Lined.	dis 70 x
J. Sommer's Best Metallic Key.	dis 40&10 x
J. Sommer's Cork Lined, 1st quality.	dis 50 x
FILERS.	
E. M. Boynton's.	new list, dis 15 x
Western File Co.	dis 60&10 x
Butcher's.	dis 50 to 100
Moss & Gamble.	dis 50 to 100
H. Diaston & Sons (new list).	dis 60 x
Heller Bros.' Horse Rasp.	dis 20&10 x
Nicholson.	dis 60&10 x
New American.	dis 60&10 x
Union File Co.	dis 60&10 x
Stub, new list.	-\$ 7.50 to \$15.00, dis 25 x off
FLUTTING MACHINES.	
Knox, 1/2-inch Rolls.	-\$ 3.50 each
Knox, 6-inch Rolls.	-\$ 4.00 each
Knox, 8-inch.	dis 35 x
Eagle, 3/4-inch Roll.	-\$ 15.00, dis 35 x
Eagle, 5/8-inch Roll.	-\$ 8.50, dis 35 x
Crown, 5/8-in., \$3.50; 6, \$4.00; 8, \$6.50 each.	dis 35 x
Crown Jewell.	6-in., \$3.40; 8-in., \$4.50 each
Domestic Fluter.	-\$ 1.50 each, net
Geneva Hand Fluter, White Metal.	-\$ 20 \$12.50 each
Crown Hand Fluter, No. 1, \$15; 2, \$20; 3, \$25.	dis 35 x
Combined Fluter and Sad Iron.	-\$ 20 \$15.00, dis 30 x
FORKS.	
Lawson & Brenizer.	dis 60&10 x
Remington.	dis 50&10 x
Sheble & Fisher.	dis 50 x
FRY PANS.	
Burnished list as follows.	dis 70 x
No. 0 1 2 3 4 5 6 7 8	dis 70 x
-\$ 20 \$3.00 3.75 4.25 4.70 5.25 6.00 7.00 8.00 9.00	dis 70 x
GAUGES.	
Marking, Stanley's.	dis 60 x
Marking, Chapin's.	dis 60 x
Wire.	dis 10&10 x
Wire, Diaston's.	dis 50 x
Wire, Wheeler, Madden & Co.	dis 10 x
GIMLETS.	
Nail and Spike.	dis 50 x
"Eureka" Gimlets.	dis 60&10 x
"Diamond" Gimlets.	dis 60 x
Double Cut, Shepardson's.	dis 45 x
Double Cut, Hartwell's.	dis 50 x
Double Cut, Ives'.	dis 50&10 x
Double Cut, Douglas'.	dis 40 x
"Eel".	-\$ 20 \$2.00, dis 50 x
GLUE POTS.	
Tinned and Enamelled.	dis 35 x
Family, Howe's "Eureka".	dis 40 x
Family, L. F. & C.'s "Handy".	dis 40&10 x
GRINDSTONE FIXTURES.	
Sargent's Patent.	dis 70&10 x
Reaching Hardware Co.	dis 33 1/2 x
GUM WADS.	
Eley's B. E. wads, 11 upwards.	-\$ 1.75
" " " 9 and 10.	2.00
" " " 7 " 8.	2.25
" P. E. 11 upwards.	2.00
" " " 9 and 10.	3.05
" " " 7 " 8.	4.45
HAMMERS.	
Maypole's.	dis 25 x
Hartford Hammer Co.	dis 40&10 x
4 " T. & N. I. S. 1, 2, 3, 4, 5, 6, 7, 8.	dis 30 x
Warner & Noble's.	dis 20 x
Kip's or Selsor's.	dis 30 x
Yerke & Plumb.	dis 40 x
Hartford Hammer Co.'s New List—	
Hammers.	dis 40&10 x
Sledges.	dis 60&10 x
Mason and Spalling Hammers, &c.	dis 60&10 x
HANDLES.—Door or Thumb Latches.	
Nos. 0 1 2 3 4.	dis 60&10 x
Per dos. \$0.90 1.00 1.18 1.35 1.50.	dis 60&10 x
Roggins' Latches.	-\$ 20 \$2.00 net
Bronze Iron Drop Latches.	-\$ 20 \$0.90 net
Jap'd Store Door Handles—Nuts, \$1.65; Plate, 1.10; no Plate.	-\$ 20 \$0.90
HAMMOCK CHAIRS.	
White Mountain, per dozen.	-\$ 27.00
" " Finished in red, per dozen.	-\$ 23.00
HANGERS.	
Cronk Hanger Co.—	
No. 4, per dozen pair.	-\$ 22.00, dis 50&10 x
" 5, " " ".	14.40, dis 50&10 x
" 6, " " ".	10.00, dis 50&10 x
Iron clad track.	9 cents per foot, dis 50&10 x
Barn door stays.	-\$ 3.00 per pair, dis 50&10 x
Cronk's Pat. Wire Cutter and Bender, 8 in.	-\$ 1.00 & 40 x
Cronk's Pat. Wire Cutter and Bender, 10 in.	-\$ 1.00 & 40 x
Cronk's Pat. Wire Cutter and Bender, 12 in.	-\$ 1.00 & 40 x
Barn Door, old patterns.	dis 60&10 x
Barn Door, New England.	dis 60&10 x
Climax (Anti-Friction).	dis 50 x
Warner's.	dis 20 x
Richard's.	dis 20 x
Ridder.	dis 50 x
Paragon.	dis 4" to 40&10 x
Smith.	-\$ 20 \$0.90
HATCHETS.	
Underhill's.	-\$ 20 \$0.90
Price Solid Steel.	-\$ 20 \$0.90 net
Shingling, Nos. 1 2 3.	-\$ 20 \$7.25 \$10.00 \$8.75
Claw, Nos. 1 2 3.	-\$ 20 \$7.75 \$8.00 \$8.25
Lathing, Nos. 1 2 3.	-\$ 20 \$7.50 \$8.00 \$8.50
Hammond's new list.	dis 40&10 x
Blood's.	dis 35 x
Hunt's.	dis 40 x
Russell's, low list.	dis 40 x
HAY KNIVES.	
Gem.	-\$ 20 \$12.00
" Lightning".	-\$ 20 \$12.00 net 20 x
Wadsworth's.	dis 40 x
HINGES.	
Plate Hinges { 8, 10, 12 in.	5c, 10c, 12c
" Providence" { over 12.	4c, 8c, 12c
Screw Hook { 8, 10, 12 in.	4c, 8c, 12c
and Strap.	14 to 36 in.
Crown spring hinges, for screen doors, dis 50 x; for solid doors, double action, dis 55 x; for solid doors, single action, dis 45 x	5c, 10c, 12c
Crown Screen Door Latch.	-\$ 1.00 gross \$10.00 dis 55 x
Crown Christmas-Tree Holders, 2-inch, 3-in.	dis 50 x
dos 50, 3-inch, \$1.25.	dis 50 x
Bickford Portable Pump.	-\$ 1.00 gross \$10.00 dis 50 x
American Cake Mixer, No. 6.	-\$ 1.00 gross \$10.00 dis 50 x
American Tobacco Cutter.	-\$ 1.00 gross \$10.00 dis 50 x
A. M. Co. Cloth Wringer, No. 2 rolls,	10x12, \$1.00 doz.
12x14, \$1.40 doz.	12x14, \$1.40 doz.
No. 2 Japan \$1.00 doz.	No. 2 Japan \$1.00 doz.
No. 2 Galv. \$2.00 doz.	No. 2 Galv. \$2.00 doz.
\$3.00 doz.	dis 50 x
Heavy Welded Hook { 20 in. in. \$7.50 100 lb. 1 dis	100 lb. 1 dis
14 in. & up. 26 100 lb. 1 dis	100 lb. 1 dis
Screw Hook & Strap Hinges, 14 in. and larger, 3c 5c.	3c 5c
" " " " " 14 in. and smaller, 1c 2c.	1c 2c
Screw Hook and Eye.	-\$ 1.00 gross \$1.50 to \$2.00
Wrought Straps & T list, Dec. 30, '77.	dis 65&10 x
Standard Spring Hinges, single and double action, dis 60&10 x	dis 60&10 x
HOSES.	
Planters.	60&10 x
Riveted Shank.	-\$ 20 \$5.00, dis 60&10 x
Grub.	dis 60 x
Hick's Pat. Solid C. S. Planters'.	dis 60&10 x
Hick's Pat. Solid C. S. Scovill Pattern.	dis 60&10 x
Hubbard, Bakewell & Co.	dis 60 x
HANDLES.	
Axe, Pick, Sledge, Hammer and Hatchet.	dis 25 x
HORSE NAILS.	
Usable: Nos. 5 6 7 8 9 10	
Plain.	-\$ 1.00 1.25 1.50 1.75 2.00 2.25
Finish'd.	-\$ 1.00 1.25 1.50 1.75 2.00 2.25
Clint'n, P'n.	-\$ 1.00 1.25 1.50 1.75 2.00 2.25
Clint'n, Fin'd.	-\$ 1.00 1.25 1.50 1.75 2.00 2.25
Easex, P. D.	-\$ 1.00 1.25 1.50 1.75 2.00 2.25
Putnam.	-\$ 1.00 1.25 1.50 1.75 2.00 2.25
Saranac.	-\$ 1.00 1.25 1.50 1.75 2.00 2.25
Globe.	-\$ 1.00 1.25 1.50 1.75 2.00 2.25
N'th'w'n.	-\$ 1.00 1.25 1.50 1.75 2.00 2.25
Champlain.	-\$ 1.00 1.25 1.50 1.75 2.00 2.25
Forged P. D.	-\$ 1.00 1.25 1.50 1.75 2.00 2.25
A. C. P. D.	-\$ 1.00 1.25 1.50 1.75 2.00 2.25
C. B.	-\$ 1.00 1.25 1.50 1.75 2.00 2.25
K.	-\$ 1.00 1.25 1.50 1.75 2.00 2.25
New Haven.	-\$ 1.00 1.25 1.50 1.75 2.00 2.25
Capewell.	-\$ 1.00 1.25 1.50 1.75 2.00 2.25
HORSE THOMBS.	
Burden.	-\$ 1.00 1.25 1.50 1.75 2.00 2.25
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Diamond State Mule Shoes.	-\$ 1.00 1.25 1.50 1.75 2.00 2.25
Perkins Horse Shoes.	-\$ 1.00 1.25 1.50 1.75 2.00 2.25
Mule.	-\$ 1.00 1.25 1.50 1.75 2.00 2.25
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Wm. Rogers Manf. Co.	dis 50&10 \$
Holmes, Booth & Haydon.	dis 50&10 \$
Wallace's Steel Silver Plated.	dis 33 1/2&10 \$
Rogers Bros 1847.	dis 50&10 \$
C. Rogers & Bro.	dis 50&10 \$

SCREWS.

Standard new list, Feb. 15.

Flat Head Bright.	70 \$
Round Head Blued.	65 \$
Round Head Bright.	65 \$
Flat Head Brass.	65 \$
Round Head Brass.	65 \$
Flat Head Blued (add 5¢ to net).	70 \$
Brass and Silver Capped.	40 \$
Japanned Flat Head.	65 \$
Coach, Patent Gimlet Point.	dis 66 1/2 \$
Coach, Common or Lag.	dis 70 \$
Red.	dis 85 \$
Machine, Flat Head, Iron.	dis 55 \$
Machine, Round Head, Iron.	dis 50 \$
Bench, Iron.	dis 55 & 10 \$
Bench, Wood, Beach.	dis 50 & 10 \$
Bench, Wood, Hickory.	dis 50 & 10 \$
Hand, Wood.	dis 55 & 10 \$
Hand Rail, Sargent's.	dis 60 & 10 \$
Hand Rail, Humason, Beckley & Co.'s.	dis 40 & 10 \$
Hand Rail, Am. Screw Co., list Jan. 1, '81.	dis 70 \$
Jack (Wilson's).	dis 25 \$

SCREEN FRAMES AND FIXTURES.

Standard Window Screens No. 1, 1/2 doz.	\$4; 2, 1/2
Door " No. 5, 1/2 doz.	dis 50 & 10 \$
Window Corner Irons, No. 3, doz. st's,	dis 40 & 10 \$
Door " " No. 6, " " 3/4	dis 50 & 10 \$
Door Latches, 1/2 dozen, \$3.60.	dis 50 & 10 \$

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No. 21. 2.25 4.00

No. 22. 5.50 6.75

No. 23. 6.00 7.50

No. 30. 9.00 11.00

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No. o. Corners and Sticks complete for a three-foot window, 1/2 doz sets.	\$4
No. 1. Set for Window, 1/2 doz sets. Bronzed.	dis 40; Nickel, \$3.65
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No. 4. " " 1/2 doz sets, Bronzed.	dis 40; Nickel, \$3.65
No. 4 1/2. " " or door, 1/2 doz sets, Bronzed.	dis 40; Nickel, \$3.65
No. 4 1/2. " " or Door, 1/2 doz sets, Bronzed.	dis 40; Nickel, \$3.65
No. 2 1/2. " " Door, 1/2 doz sets, Bronzed.	dis 40; Nickel, \$3.65
No. 3. " " 1/2 doz sets, Bronzed.	dis 40; Nickel, \$3.65

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Jersey Shears. dis 50 & 10 \$

J. Wiss & Son. Nickle, 10cts. Japanned, 60&10 \$

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Sliding Door, Patent Roller. dis 60cts

Sliding Door, Pt. Roller, Hatfield's. dis 60cts

Sliding Door, Russell's Anti-Friction. dis 60cts

Also see Hangers.

SHOVELS AND SPADES.

Ames, New List, November 1, 1885. dis 20 \$

Griffiths. dis 50cts

Remington's (Lowman's Patent). dis 30 \$

Rowland's. dis 20 \$

Lippincott, new list. dis 25 \$

Husky, Bins & Co. dis 25 \$

SILVER PLATED HOLLOW WARE.

Wm. Rogers Manf. Co. dis 50 \$

Meriden Britannia Co. dis 40 \$

SOLDERING IRONS AND COPPERS.

Covert's Soldering Irons. dis 35

Covert's Adjustable Copper. dis 35

SPOONS.

Britannia. dis 60, 10&10 \$

Tinned, Iron, Table and Tea. dis 65 \$

Tinned Iron Basting. dis 30 \$

German Silver. dis 40&5 \$

STONE.

Hindostan No. 1, 4c; Axe, 5c.

Sand Stone. dis 50, 6c, dis 33 1/2&10 \$

Washtita Stone. No. 1, 50, 6c, 25c. net.

Washtita Stone, Slips. No. 1, 50, 45c. net.

Arkansas. \$1.50, 50, net.

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Tinned Swedes Iron Tacks. 67 1/2&10 \$

Tinned Swedes Iron Upholsterers' Tacks. 67 1/2&10 \$

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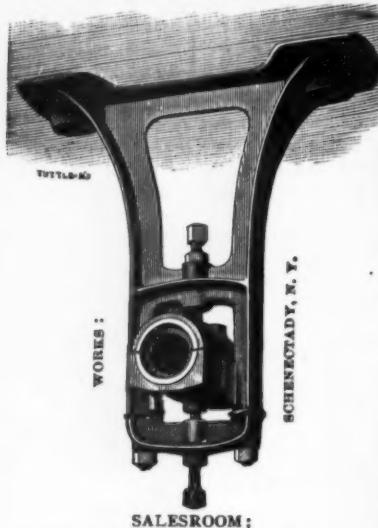
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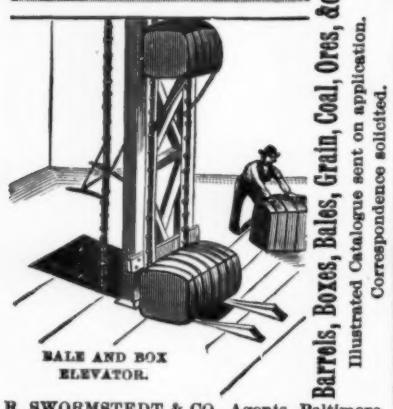
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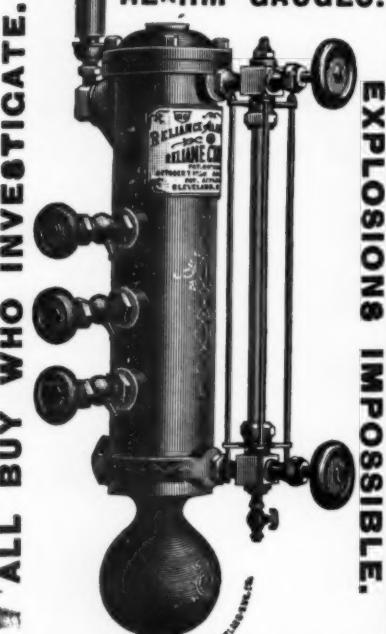
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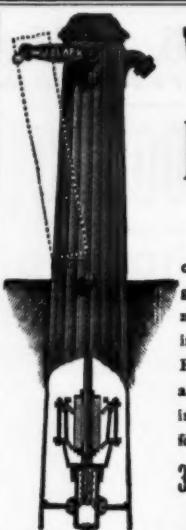
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SPECIALTIES—Harness, Black and Fair Bridles, Line Leather, Saddle and Shoe Skirting, Russet and Stained Rein-Welt, Fly-Net and Collar Leather. Superior Harness Backs, Pump Valve Leather. Write for prices. Mention this paper.

THE BAY LINE

FOR FORTRESS MONROE, NORFOLK and the SOUTH.

The Bay Line comprises the New and Elegant Steamers "VIRGINIA," "CAROLINA" and "FLORIDA."

All the Comforts and Luxuries of a First-Class Hotel are afforded the Traveler. Spacious and Elegant Saloons and State-rooms, furnished with an especial view to comfort. Unsurpassed Cuisine, which is made a specialty with this Line. Elegant service and courteous attention. Steamers leave Baltimore daily except Sundays at 9 P. M.

At Old Point Comfort is located the SPLENDID HYGEIA HOTEL, a Delightful Resort at all Seasons of the Year. For Tickets and Information, apply at Company's office, 157 W. BALTIMORE ST., BALTIMORE, On Board of Steamers. D. J. HILL, Superintendent.

M. BROWN, General Ticket Agent.

W. BROWN, General Ticket Agent.

Established 1867.

E. HARRINGTON, SON & CO.

Works and Office,

N. 15 St. & Penna. Ave., Phila., Pa.

Manufacturers of a full line of



Iron Working Machinery,

INCLUDING

Extension and Gap Lathes, Planers with Quick Return, Drills, &c., Hand Power Elevators with Patent Brake, Double Chain Screw Hoists, Overhead Tramway with Switch, Turntable and Geared Truck.

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REPRESENTED BY

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Improved Steam Jacket Kettle

PLAIN OR ENAMELED.

No. 70.

SIZES.
20 Gallons.
35 "
70 "
100 "



Double Jacket Steam Kettle.

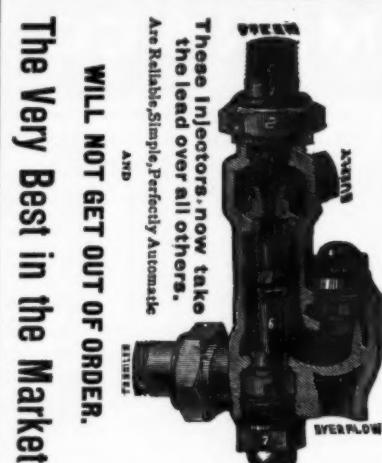
SIZES.
1 Gallons.
6 "
10 "
15 "
25 "
30 "
50 "
60 "
80 "
125 "



Iron Double-bottom Steam Kettle.

SIZES.
2 1/2 Gallons.
9 "
12 "
20 "
37 "

Fig. 134.



The Very Best in the Market.

WILL NOT GET OUT OF ORDER.

AMERICAN INJECTOR COMPANY

Detroit, Mich., U. S. A.

WIRE RAILING

and Ornamental Wire Works.

DUFUR & CO. 36 N. Howard St., Baltimore.

Wire Railing for Cemeteries, Lawns, Gardens, Offices and Balconies; Window Guards, Tree Guards, Wire Cloth, Sieves, Fenders, Cages, Sand and Coal Screens. Iron Bedsteads, Chairs, Etc.

THE BRADSTREET

Mercantile Agency

HAS NOW BEEN

Under its present successful management for the past seven years.

And during that time its business has more than trebled, while its facilities have proportionately increased.

No expense is considered too great in obtaining and applying to the conduct of the business all possible improvements. With its present system for obtaining and promulgating information, this Agency is justly regarded by its patrons as authority on all matters affecting commercial credit. Its ramifications are greater and its business larger than any similar organization in the world conducted in one interest and under one management.

You are respectfully invited to investigate, and if in need of an Agency, to test its ability to serve you.

CHAS. F. CLARK, President.

Baltimore Office,—American Building,

H. KERSHAW, Supt.

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One 50-ton Zero Ice Machine at half-price
Correspondence solicited.

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Look Carefully through this paper and you may find an advertisement of some machinery or other goods that you are in need of. Preserve this copy for future reference.

TAPER-SLEEVE PULLEY WORKS.

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Taper-Sleeve Wood

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Dead Pulleys,

Friction-Clutch Pulleys,

Friction

Clutch Couplings,

Wood Pulleys in

Halves, Taper-

Sleeve and Com-

pression Couplings

Shafting, Post and

Drop Hangers.

Correspondence

Solicited.

Friction-Clutch Pulley.

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**Wrought and Cast Iron Work
for Building Purposes.**

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**German and English Brands of
Best Quality.**

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WELLES BUILDING, No. 18 Broadway, NEW YORK.

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Calle del Seminario, No. 6, City of Mexico.

317 E. Fayette St., Baltimore, Md.



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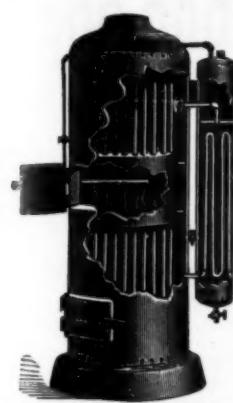
64 S. Canal St., Chicago.

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Manufactured by the BABCOCK & WILCOX CO., 30 Cortlandt Street, NEW YORK.



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Improved Combustion-Chamber

BOILERS,

With Feed-Water Heater and Boiler Cleaner

ATTACHMENTS COMBINED.

From practical experience and actual tests, they are pronounced the most serviceable and economical Steam Boiler now in use, combining all the latest improvements in Feed-Water Heaters and Boiler Cleaners.

SIMPLE IN CONSTRUCTION AND DURABLE.

Shop Rights for Sale. Send for Circular and Price-List.

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Office and Works:

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Double and Single Gate, $\frac{1}{4}$ inch to $\frac{1}{2}$ inch.—Outside and Inside Screws, Indicators, etc., for Gas, Water, Steam, Oil. Send for Circular.

Also Fire Hydrants, Yard and Wash Hydrants, Check and Foot Valves

OILS for WOOLEN MILLS a Specialty.

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WM. C. ROBINSON & SON,

MANUFACTURERS OF AND WHOLESALE DEALERS IN

OILS!

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ELAIN OIL. Always satisfactory. Will scour out perfectly in any water.

LANA OIL. A very good oil, but does not scour out as well as Elain in very hard water.

WE ALSO CARRY IN STOCK:

B. W. SPERM OIL,
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PRIME LARD OIL,COLOPHINE CYLINDER,
COLOPHINE ENGINE,
COLOPHINE SPINDLE,PARAFFINE,
LUBRICATING,

AND ALL OTHER KINDS OF OIL.

Correspondence Solicited and Samples Forwarded, if desired. 52

The Tabor Manufacturing Co.

—SOLE MANUFACTURERS OF—

Tabor Steam Engine Governor

Patented April, 1888, and December, 1888.

WILL REGULATE AS CLOSELY AS THE BEST AUTOMATIC CUT-OFF ENGINE.

Perfectly adapted to every type of Stationary and Portable Engine. Fitted with speed adjuster, Sawyer's Lever and Automatic Safety Stop.

SIMPLE, SENSITIVE AND DURABLE.

All Parts Interchangeable.

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CHICAGO CAR MOVER.

With it One Man Can Move a Loaded Car.

WEIGHT, INCLUDING HANDLE, 15 lbs.

Guaranteed not to break or get out of order.

Sent on 30 days' trial. If not satisfactory may be returned at my expense.

Price: Single Movers \$6; per Pair \$10.

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Patapsco Flouring Mills.

ESTABLISHED 1774.

The value of Flour depends upon the essential elements of nutrition contained in the bread it makes. Maryland and Virginia Wheat, from which our PATENT ROLLER FLOURS are chiefly manufactured, has long been conceded to be of most superior quality, because it has a better combination of gluten and phosphates than any other. This fact is recognized, not only in this country, but in the United Kingdom as well, where the "PATAPSICO SUPERLATIVE" commands decidedly more money than any other American Flour, thereby clearly demonstrating its superior qualities for making the whitest, sweetest and most nutritious bread.

ASK YOUR GROCER FOR IT, ALSO FOR

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Our facilities for the production of

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Color Work

AND ALL STYLES OF

FINE COMMERCIAL ENGRAVING

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LITHOCALUSTIC PROCESS

Branch Establishment:

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The True Idea of Assurance.

Women's Mutual Insurance



and ACCIDENT COMPANY.

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Incorporated under the Laws of New York.

ITS OBJECT.

This company is the pioneer in throwing down the bars of unjust discrimination against women in life insurance. Statistics and common observation prove mortality to be in favor of women at every age, and married as well as single. To remove this prejudice, and to secure to women an equal estimation in her insurance, the proprietors of this company have adopted these principles. Consistently with this principle WOMEN AND MEN are equally insured in this company without discrimination on account of sex.

ITS MEMBERSHIP

comprises persons between the ages of 18 and 60, of approved physical condition. The Life Class is separate and distinct from the Accident Class, members being liable for losses only occurring in the class to which they belong.

ITS PLAN

secures insurance at cost, and embraces the best features of similar associations, with such improvements added as enlightened experience has shown to be desirable for the member's advantage and the security of the association.

ITS SAFETY AND SECURITY

consists in its ECONOMICAL system, its IMPOSSIBILITY of insolvency, and its SECURITY RESERVE FUND.

FINALLY.

This company avoids complicated schemes and plans by means of which impossible results are promised. Its contracts are plain, easily fulfilled and liberal. It issues the following forms:

1. Ordinary Life Policy, \$100 to \$10,000.
2. Ordinary Accident Policy, \$5,000 death indemnity; \$25 weekly.
3. Combined Life and Accident Policy.
4. \$500 Savings Bond.

BANKERS: BANK OF THE METROPOLIS, New York City.

DEPOSITORY OF RESERVE FUND: FARMERS' LOAN AND TRUST CO., New York City.

The officers would be pleased to furnish any further particulars which may be desired in relation to the Company's plan or any way to obtain a policy.

Agents are despatched in every city, village and district throughout the healthful sections of the country.

Address all communications to the

WOMEN'S MUTUAL INSURANCE AND ACCIDENT CO., 128 BROADWAY, NEW YORK.

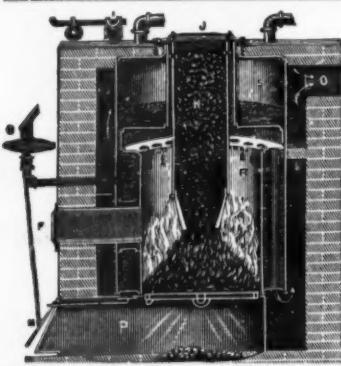


THE IMPROVED FLORIDA STEAM HEATER

The best and most complete House Heater in the world. Self-feeding, automatic, portable and saves all expense of brick-work. Most economical. Carries steam from 10 to 12 hours without attention. Compact. 14 sizes, from 4 to 6 feet high. Anti-clinker grate, easily shaken, no dust. Sales larger than the combined sales of all reputable Steam Heaters.

3500 in ACTUAL USE,
all giving the best satisfaction. Estimates furnished on application. Send for Illustrated Catalogue. Address

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THE DUNNING Patent Wrought-Iron Boiler,

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LOW PRESSURE STEAM HEATING

And Insures a Warm House Day and Night.

Over 13,000 in use! Keeps Steam up Constantly.

Also, Steam Engines & Boilers of all kinds & Machinery generally

MANUFACTURED AT THE

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Send for Illus. Catalogue with full description and price-list.

AGENTS WANTED. N. B.—Correspondence solicited from Architects and persons building.

THE RED JACKET STEAM BOILER * Flue Blower *

Is the Cheapest
And Most
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In the Market.



Simple in construction,
Easy to Operate.
ECONOMIZES FUEL
And
Increases Boiler Capacity.

THIS FLUE BLOWER operates on an entirely new principle; is easily controlled by one hand. It stands without a rival and is pronounced by engineers the only perfect cleaner made. Write for circular and prices to

STEWART HEATER CO., 19 and 21 Clinton St., Buffalo, N.Y.

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Licensed by and Succeeding to the Commercial Business of the

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The DYNAMO of this Company is AUTOMATIC in its regulation, and will maintain a UNIFORM LIGHT, with ALL or ANY PORTION of the lights in Circuit. Our LAMP will not BLACKEN and will MAINTAIN its CANDLE POWER during its Guaranteed life. Plans and Estimates furnished for all kinds of Incandescent Lighting.

ESTIMATES FURNISHED FOR THE THOMSON-HOUSTON SYSTEM OF ARC LIGHTING.

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Roller Covering, Loom Pickers and Strapping.

Dealers in Roller Coverers, Stock and Tools; Cotton and Woolen Mill Supplies.

Full Line "Hick's" United States Standard Ring Travelers, Mill Wire Goods Spring Cotters, Belt Hooks, Lacing, &c., kept constantly on hand.

Wrought Iron Pipe Fittings and Brass Goods. Southern Agents for the celebrated "B. C. & D. Oak Tanned Patent Lap Belting, Galvin Compound Wedge Gate Valve, Imhauser's Watchman Time Detectors, Diamond Emery Wheel Machine Co., &c.

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ADVERTISE IN THE
MANUFACTURERS' RECORD.

West Nashville, Tenn.

THE NEW
Manufacturing Town of the South.

THIRTEEN INDUSTRIES

WITH AN AGGREGATE

Capital Stock of over \$3,000,000.

Already Located There.

A CENTER OF THE

CHARCOAL IRON BUSINESS.

MANUFACTURING SITES

Given to All Desirable Applicants.

The new town is situated in the heart of the famous Mineral Region of Tennessee. The Climate is one of the best in the world. All the Commercial, Educational and Social Advantages of the old City of Nashville, with its population of 80,000, will be available to the people of West Nashville.



NASHVILLE, TENN.,

the most important distributing point of the South, which re-wholesales goods bought in the North, proposes to make hereafter these goods on her own soil.

In the saving of freight alone there is a dividend of ten to twenty per cent. on the stock of any concern that will remove from the North and manufacture its goods in West Nashville. The

NASHVILLE LAND IMPROVEMENT COMPANY,

organized to furnish ample manufacturing facilities, gives land and offers other inducements to substantial concerns wishing to remove from the North.

The Manufacturing Town of

WEST NASHVILLE

has a frontage of 2½ miles on the Cumberland River, that is navigable for 400 miles above Nashville, and below Nashville connects with the Ohio and Mississippi Rivers.

West Nashville has ample Railroad Facilities, by which it is connected with all the Railroad Systems of the United States.

Among other industries already located at West Nashville is the

NASHVILLE IRON, STEEL & CHARCOAL COMPANY,

with a capital stock of \$700,000, Gen. Willard Warner, President. This company is erecting two 50-ton Charcoal Blast Furnaces and Charcoal and Chemical Works, covering the treatment of 80,000 cords of wood annually.

Besides the industries located at West Nashville, we invite the establishment of Rolling Mills, Steel Plants, Boiler and Machine Shops, Nail and Horse-Shoe Plants, Plow and Wagon Factories, Planing Mills, Cotton and Woolen Mills, Boot and Shoe Shops and other industries.

For circulars, pamphlets and other information address

J. M. REILLY, Secretary,

13, 14 and 15 Cole Building,

NASHVILLE, TENN.

The Brunswick Lands Improvement & Colonization Co.

Subscription Books for the Capital Stock of this Company are now open

At the Offices of the Company, Brunswick, Ga., and at (Room 20) 229 Broadway, N. Y.; (Room 4) 85 Devonshire Street, Boston, Mass., and other Branch Offices of the Company until the 1st day of August, 1887.

The Company is formed under and by virtue of a Charter granted June 19, 1886, to ANDREW J. ROGERS, JAMES M. OLSTEAD, HENRY S. WELLES, DANIEL W. CLARK, GEORGE E. SMITH, JOHN E. SAUNDERS, and FREDERICK G. BRUNEL, and their associates, in accordance with the Laws of the State of Georgia, to run for twenty years, with the right of renewal, and authorizing a Capital Stock of \$100,000, in shares of \$50 each, with power to increase the same at any time to any amount not exceeding \$10,000,000, payable in either money, or real or personal property that may be utilized in the business of the Company. The Charter is, by comity of the States, made operative throughout the entire country.

THE PRELIMINARY ORGANIZATION

Has been duly effected by electing the following named

OFFICERS.

ANDREW J. ROGERS, Pres. JAMES M. OLSTEAD, Vice-Pres. GEO. E. SMITH, Sec. FRED'K G. BRUNEL, Treas.

DIRECTORS.

A. J. ROGERS, Brunswick, Ga., and 227 W. 10th St., New York.
JAMES M. OLSTEAD, 85 Devonshire St., Boston, Mass.
HENRY S. WELLES, 229 Broadway, New York.
GEORGE E. SMITH, 32 Broadway, New York.

FREDERIC G. BRUNEL, Grand Union Hotel, New York.
JOHN E. SAUNDERS, Nashville, Tennessee.
DANIEL W. CLARK, 11 Winthrop Street, Hartford, Conn.
WILLIAM B. BURROUGHS, Brunswick, Ga.

EXECUTIVE COMMITTEE.

ANDREW J. ROGERS,

HENRY S. WELLES,

FREDERIC G. BRUNEL,

WILLIAM B. BURROUGHS.

The said Officers and Directors to hold over until the First Meeting of the Stockholders.

INCREASE OF THE CAPITAL STOCK.

In order to promptly acquire ample areas of Land and Harbor Water frontage, for colonization, wharfing and other purposes, as well as obtaining sufficient funds for carrying out the several objects of the Company, the Directors have duly voted an increase of the Capital Stock from \$100,000 to \$3,000,000, payable in either money or in any real or personal property that may be utilized in the business of the Company, (as provided in the charter,) and have authorized the opening of Subscription Books for said \$3,000,000 of Capital Stock.

EUROPEAN CO-OPERATION.

The President of the Company has perfected arrangements with competent European parties whereby they agree to subscribe, or cause to be subscribed, two-thirds of said \$3,000,000 of Capital Stock, provided the other one-third of said Stock is duly subscribed in America, and to pay in \$200,000 for every \$100,000 thereof that shall have been so subscribed in America and paid into the treasury of the Company.

TRANS-ATLANTIC STEAMSHIP LINE.

The President of the Company has also arranged with competent European ship owners for promptly putting on and maintaining a Trans-Atlantic Steamship Line between the port of Brunswick, Ga., and ports in the United Kingdom; said line to comprise a fleet capable of doing all the trans-Atlantic shipping business of the Company, and to be put on as soon as the Company announces itself ready with freights, &c., for trans-Atlantic shipment.

THE GENERAL ENTERPRISE

Comprises the building up and maintaining an extensive domestic and foreign trade at and through the city and port of Brunswick, Ga., and corresponding ports, and engaging in a general system of Lands Improvement, particularly including the building up, extending and beautifying the city and suburbs, and improving and perfecting the Harbor of Brunswick for maritime commerce, and generally aiding in developing the agricultural, mineral and other natural resources of, and settling the surrounding districts and corresponding sections of the interior, with the view to participating in the general benefits and increase in value of properties accruing from such developments and improvements, and to inaugurate and conduct

BUREAUS OF COLONIZATION AND INDUSTRY

As special departments of the General enterprise for commercially engaging in such systems of Colonization and Co-operative Industries as will, from time to time, aid in relieving the Labor Markets of all surplus artisans and other workers, including the worthy, able-bodied indigent classes, by drawing them off and settling or aiding them in settling and getting fairly started on alternate lots of the Company's Lands, in suitable rural and growing village districts, or so employing or aiding them to find such suitable employment as will make them reciprocally useful to the Company and ensure their becoming self-sustaining and prosperous constituents of the commonwealth, and finally reimbursing the Company with fair profits for all such assistance, thus materially aiding in freeing society of its worthy, able-bodied, destitute and suffering industrious classes by reclaiming them from all anarchical tendencies, and thence through their own prosperity readjusting them as good, law-abiding and patriotic citizens of the Commonwealth.

THE COMMERCIAL DEPARTMENT.

With the foregoing objects in view, the Company will engage in the following enterprises, taking them up and carrying them forward in such business order as will ensure the prosperity of every department of the General Undertakings, beginning with The Commercial Department proper, it being the only medium through which the more benevolent and humane purposes can be successfully carried into effect with profit to the Company. The Directors are already assured of a large paying business from the commencement of active operations in the following specified enterprises, in which the Company will be constantly turning over its funds and realizing from 5 per cent. upwards of net profits every sixty or ninety days. Viz: A General

TRANS-ATLANTIC and Coastwise SHIPPING BUSINESS

Including storing, wharfing and forwarding at and through said port and corresponding ports, and the sending of goods and other valuables through in bond or by through bills of lading to and from any and all points; the advancing of money on bills of lading and on goods and other property in store; and acting as merchants and general agents, and doing a banking and general commission business. In these departments alone the Company will find constant, active, safe and profitable employment for a considerable amount of its capital, thereby ensuring fair dividends from the start.

OTHER SOURCES OF REVENUE.

By judicious purchases, both in respect to price and locality of lands, as well as the suitability of the climate, and thence properly settling immigrants on alternate

lots thereof, carefully reserving every alternate farm or section for sale later on, the Company could reasonably expect to realize from 10 to 25 per cent. net on sales of the first alternate farms or other lots, and thence, in future further realizing from 100 to 500 per cent. and upwards from the ultimate sales of the reserved building lots, farms or sections. This plan carried out on a commensurate scale would of itself, without risk of the capital invested, enrich any well-managed company.

GENERAL LANDS IMPROVEMENT DEPARTMENT.

To buy, own and sell lands and deal in real estate and leaseholds generally, and to engage in a general system of Lands Improvement, particularly including the building up, extending and beautifying the City of Brunswick and Suburban districts, and generally developing and settling the surrounding country; the establishing and settling colonies in the interiors of the various States, and parts of States, wherein immigrant settlers and other industrial classes are needed; laying out and building up villages, towns, and cities; making roads, streets and all necessary and profitable improvements; aiding in the fuller development of the vast agricultural, mineral and other

NATURAL RESOURCES OF THE SOUTH,

Southwest and corresponding sections; the breeding and rearing of horses, mules, cattle and live stock generally, for home and foreign markets; the laying out, improving, stocking and working farms of all kinds; developing water powers for manufacturing, milling and other purposes; opening and working coal, iron and other mines, and marble and stone quarries, with a view to making money by profitably employing the idle, and making homes and livings for the worthy, able-bodied indigent classes, as well as making the several properties productive and generally enhancing the values thereof and making them more saleable. In fact, the company offers

SAFE AND PROFITABLE INVESTMENTS

In every department of the General Enterprise, basing the stability of the entire Capital Stock not only upon the General Business of the Company but upon real estate carefully chosen for its intrinsic worth, its suitability for the purposes of the Company and its improvable qualities and possible continual enhancement in value from direct and surrounding improvements.

BRUNSWICK'S ADVANTAGES in Respect to DISTANCES.

The use of the port of Brunswick for shipping purposes, effects a saving of distances to and from the following named cities as compared with New York, as follows: Louisville, about 125 miles; Denver, 250; Cheyenne, 260; St. Louis, 275; Kansas City, 300; Chattanooga, 450; Memphis, 475; Nashville, 500; San Francisco, 505; Santa Fe, 579; Tepiclobompo, (Mexico), 640; Atlanta, 667; Augusta, 687; Galveston, 700; Austin, 775; Fort Worth, 790; Montgomery, 827; New Orleans, 916; San Diego, 1,160 miles. This statement is of no less importance to emigrants than to shippers of merchandise. It should also be borne in mind that Brunswick is, by ocean route, very much nearer Liverpool than is either New Orleans or Galveston, and has the further advantage of being free from the risks always to be incurred in rounding the Florida Reefs, and the consequent heavy insurance.

THESE SEVERAL ADVANTAGES

In respect to distances, together with the central position and superiority of the harbor, and the widely extending railway connections, must necessarily ensure to the port of Brunswick a very large proportion of the export trade and corresponding import trade of the South, Southwest and Pacific Slope, especially as this port will thenceforward have such direct and regular Trans-Atlantic connections with foreign markets, as well as such improved facilities for discharging and loading ships, as will enable it to successfully compete with other and older ports.

For a fuller statement of the PURPOSES and PLANS of the Company, see the Charter and Prospectuses, Documents Nos. 1, 2 and 3 of the Company's pamphlets, which can be obtained at the Offices of the Agents, or from any of the Officers of the Company.

FORMS OF APPLICATION

For Stock on the part of those who may desire to subscribe to the Capital Stock, but are unable to reach the Agent or Officer in charge of the Subscription Books, will, on application in writing to such Agent or Officer, or to the President of the Company, be forwarded, together with the necessary instructions for securing the number of Shares such Applicant may desire or that may be allotted to him or her.

PROPOSALS FOR TRANSFERRING LANDS

Or other available property in exchange for Stock in the Company will be entertained, and the suitability, quality and value of the property and titles thereto will be duly examined by proper experts in the interest of the Company; but all such proposals must be submitted in writing to an Agent or Officer, or to the President of the Company on or before the 1st day of August next, and must be accompanied with a full description, giving all particulars, including the situation and value of such property.

The Stock of the Company will be Receivable at Par in Payment for Lands purchased from the Company.

ANDREW J. ROGERS, Pres. B. L. I. & C. Co.

229 BROADWAY, (Room 20,) NEW YORK.

Brick Makers' Supplies.

THE PERFECTION BRICK PRESS,



An easy-working, quick-operating and powerful press. Will successfully press brick made on any Brick or Tile Machine.

The Wrought-Iron Tempering Wheel,
The most thorough mud temperer known. Temps faster, mixes better and runs lighter than any wheel made.

Barrows, Trucks, Molds, Kiln Doors, &c.

Write us for prices.

C. W. RAYMOND & CO.
DAYTON, O.

Mention Manufacturers' Record.

The Spiral Pug Mill AND QUAKER BRICK MACHINE.

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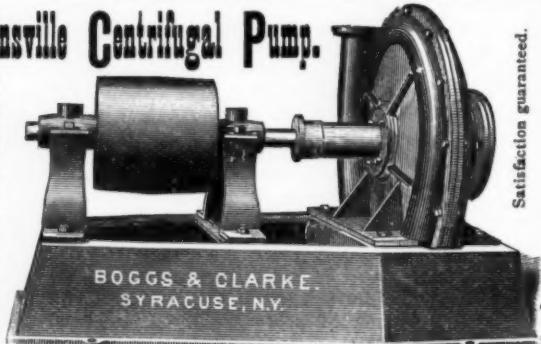
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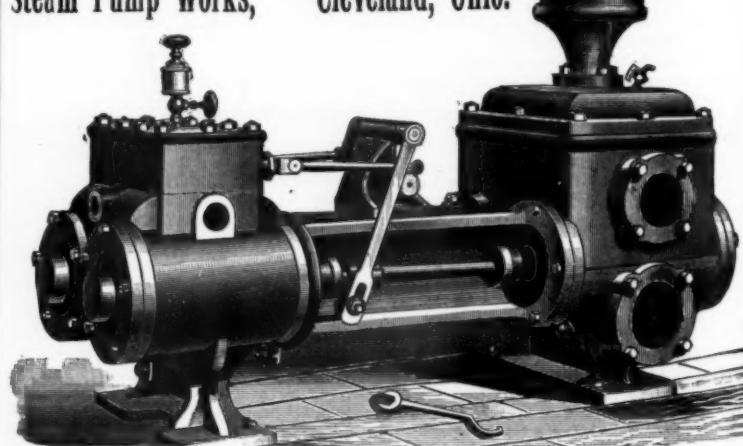
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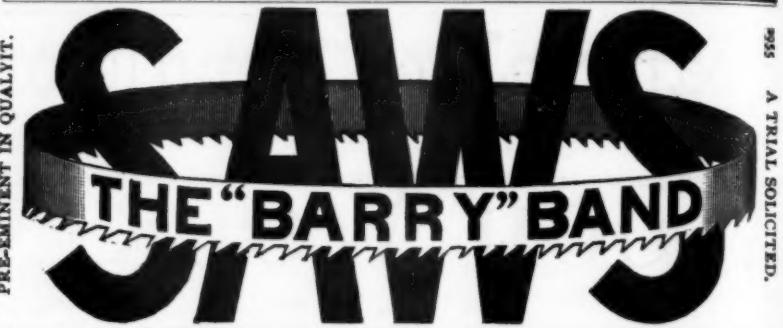
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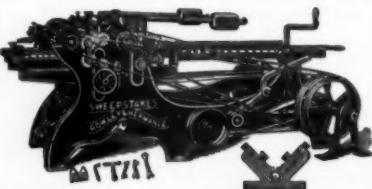


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